Computing Curriculum links over time.

Unit Topic Online Learning – Logging into the school Network independently. P	Year 1	Term Autumn 1 Digital Literacy Information Technology

Links to Prior Learning	Preparation for Future Learning
EYFS – Mini-Mash. Laptop work. Always switched on and logged in to the network	Logging into school network using a generic username and password. Logging into personal username & password for Purple Mash. Using a keyboard and refining dexterity to use trackpad/mouse control/click hardware to manipulate objects across a screen. Introduction to online safety and expectations of school regarding internet use.

Previous vocab links	New vocab
Laptop-Keyboard-type Laptop-mobile phone-tablet-T.V.-light switch etc.	Log in –Username-Password-Log out. Technology-

Core Content

Internet Safety – Logging into and out of a network.

Technology outside school. We ask pupils to consider how technology is used outside of the school environment. To help do this, the pupils go on a walk around their local community.

Assessment Criteria

Children demonstrate an understanding of the importance of online safety, using their own private usernames and passwords for Purple Mash and to access the school network.

Pupils understand what is meant by technology and can identify a variety of examples both in and out of school.

Resources

Laptops – iPads – Purple Mash planning – Internet access to Purple Mash.

Electronic equipment in and around school.

Unit Topic	Year 1		Term Autumn 2
Links to Prior Learning **Data collection in EYFS**		**Preparation for Future Learning**	
Previous vocab links **Purple Mash. 2Count.**		**New vocab** Pictogram- Data- Collate.	

Core Content

Pictograms. An introduction to pictograms and looking at how they can be used to represent data. Pupils will collate and organise class data into a physical pictogram.

Assessment Criteria

Pupils can represent simple collected data in an appropriate pictogram by using 2Count

Resources

Laptops – iPads – Purple Mash planning – Internet access to Purple Mash.

Unit Topic Maze Explorers	Year 1		Term Spring 1
Links to Prior Learning **Autumn Login to Purple Mash.** **EYFS Floor Turtles**		**Preparation for Future Learning** **To use the home/school facility 2Do**	
Previous vocab links Log in –Username-Password-Log out. **Forwards-Backwards-Stop-Go.**		**New vocab** **Personal Username-Password-2Do-Save-Folder.** **Direction- Challenge- Arrow- Undo- Rewind- Forward-Backwards- Right turn- Left turn- Debug- Instruction-Algorithm.**	

Core Content

Using Purple Mash using username & password. Introduction into using home/school facility on Purple Mash called 2Do. Work is set at school and done at home independently.

Maze Explorers!
Using direction function keys and number keys to move a 'sprite' through ever increasingly complex mazes.

Assessment Criteria

Pupils can use the buttons to move their character purposefully. They can plan their moves several steps at a time towards the goal rather than one step at a time.

Resources

Purple Mash
Laptops/iPads
Internet access.

Unit Topic Animated Story Books	Year 1	Term Spring 2

Links to Prior Learning **Accessing Purple Mash Independently.** **Using keyboard and trackpad the manipulate objects across the screen.** **Knowing a simple traditional tale.**	Preparation for Future Learning **Using 2do home/school learning feature Sound- Stop command- Object- Input.**
Previous vocab links Log in –Username-Password-Log out-My Work-Save-Pictogram-Data.	New vocab **2do-** Animation- E-Book- Font- File- Sound Effect- Display Board-

Core Content

Creating an animation using 2animate software. Create a simple story based on cross-curricular activities in English.

Assessment Criteria

Their designs show that they have thought about the need for precise, purposeful, ordered instructions. The text & images shows cohesion.

Resources

Laptops – iPads – Purple Mash planning – Internet access to Purple Mash.

Unit Topic **Coding:**	Year 1	Term Summer 1

Links to Prior Learning	Preparation for Future Learning **Year 2-3-6**
Previous vocab links Sound- Stop command- Object- Input-	New vocab Action- Button - Code block- Code Design- Coder- Coding- Collision Detection- Command - Program- Properties- When clicked -

Core Content

Coding:
Introduction to 'drag & drop' skills – build on using directional function keys and changing backgrounds needed to build code strings, make a sprite move by writing an unambiguous code string and changing backgrounds. Introduction to the language of coding and understanding systematic working.

Assessment Criteria

They can then design programs that control the look and the actions of objects. Their designs show that they have thought about the need for precise, purposeful, ordered instructions.

Resources
Purple Mash
Laptops
Access to the internet

Unit Topic Grouping & Sorting Spreadsheets.	Year 1	Term Summer 2

Links to Prior Learning	Preparation for Future Learning
Accessing Purple Mash Independently. **Using 2do's facility** **Maths grouping and sorting activities. Able to count beyond 20.**	**Year 2-3-4. Using 2calculate**

Previous vocab links	New vocab
Purple Mash-2Do-Maths vocab. Arrow keys-	Criteria- Sort-collate Spreadsheet-Rows- Columns- Cells- Delete key-Backspace key-data-information.

Core Content

To group & sort objects away from the computer using specific criteria before repeating using 2group software. Spreadsheets. Children understand Spreadsheets are used for organising information.

Assessment Criteria

Children can enter specific data into cells with support.

Resources

Simple group of objects – red square-blue squares.
2calculate
Purple mash.

Computing Curriculum links over time. Year 2

Unit Topic Online Safety	Year 2		Term Autumn 1
Links to Prior Learning **Logging into school network using a generic username and password.** **Logging into personal username & password for Purple Mash.**		**Preparation for Future Learning** **Personal login details (year 3) Vocabulary (Year 4)**	
Previous vocab links Log in –Username-Password-Log out-My Work-Save-Pictogram-Data.		**New vocab** Search- Display Board- Email- Sharing- Digital Footprint-Webpage- Website- Internet.	
Core Content			
Introduction to understand the dangers when working collaboratively on-line, receiving emails or sharing work. Begin to log in independently to the school network using a personal user name & generic password and accessing Teams independently. Understand using the internet leaves evidence of activity, 'Digital Footprint.'			
Assessment Criteria			
They know the implications of inappropriate searches. Pupils can share their work using the display board and begin to understand how things are shared electronically			
Resources **Purple Mash-** **Laptops/iPads** **Safe internet access**			

Unit Topic **Coding.**	Year 2		Term Autumn 2
Links to Prior Learning **Year 1 Coding**		**Preparation for Future Learning** **Year 3 Coding.**	
Previous vocab links Action- Button - Code block- Code Design- Coder-Coding- Collision Detection- Command - Program-Properties- When clicked .		**New vocab** **Debug/Debugging- Repeat- Scale- Timer- When Key.**	
Core Content			
Building on Year 1 children now explore program design and put computational thinking into practice using more complex language and coding blocks. Begin to understand and try to debug a code string.			
Assessment Criteria			
Pupils can explain that an algorithm is a set of instructions to complete a task. They have turned algorithms of more than one step into code using free code Chimp.			
Resources **Purple Mash-** **Laptops/iPads** **Safe internet access**			

Unit Topic Questioning	Year 2	Term Spring 1

Links to Prior Learning	Preparation for Future Learning
Using a keyboard and refining dexterity to use trackpad/mouse control/click hardware to manipulate objects across a screen.	**To use dedicated search engine effectively (year 3-6)**

Previous vocab links	New vocab
Technology-Collate-Data	Pictogram (Maths link) –Question-Binary Tree-Avatar-Database.

Core Content
Questioning.
Pupils learn about the importance of phrasing questions and that certain data-handling resources are limited in the answers they can provide.

Assessment Criteria
Pupils demonstrate their ability to organise data using a database in 2Investigate and can run simple searches on their data set.

Resources
Specific data to use
Purple Mash
Laptops/iPads
Internet access.

Unit Topic Effective searching	Year 2	Term Spring 2

Links to Prior Learning **Using the internet safely.**	Preparation for Future Learning **Year 4 Effective Research**

Previous vocab links	New vocab Internet- Search- Search Engine.

Core Content
Effective Searching.
Children learn that skilful searches are essential for 21st-century learning and information literacy. With abundant information at our fingertips, it is important to understand and reinforce good searching.

Assessment Criteria
Pupils can effectively retrieve relevant, purposeful digital content using a search engine.

Resources Specific data to use
Purple Mash
Laptops/iPads
Internet access.

Unit Topic	Year 2		Term Summer 1
Links to Prior Learning **Year 1 Grouping & sorting - Spreadsheets**		**Preparation for Future Learning**	
Previous vocab links Criteria- Sort-collate Spreadsheet-Rows- Columns- Cells- Delete key- Backspace key-data-information.		**New vocab** Copy and Paste- Count Tool- Equals tool- Image Toolbox- Lock tool- Move cell too- Speak Tool.	
Core Content **Spreadsheets.** **Creating a Spreadsheet from cross-curricular activities such as maths or science.**			
Assessment Criteria Pupils will be able to create a spreadsheet which includes a graph based on simple data collected.			
Resources **Purple Mash** **Laptops** **Internet Access**			

Unit Topic	Year 2		Term Summer 2
Links to Prior Learning		**Preparation for Future Learning**	
Previous vocab links		**New vocab** Bpm- Composition- Digitally- Instrument- Music- Sound Effects- Soundtrack- Tempo- Volume.	
Core Content **Making Music. Using home/school 2Do application children work on projects at school and finish at home.** **Children build on knowledge and understanding to create simple and more complex animations using a software Sequence suite. The pupils will use 2Sequence to explore harmony and build up musical scores.** **Creating Pictures.** **Children use Purple Mash - Microsoft Paint - Apple Paintbrush to explore different image creating software.**			
Assessment Criteria Children demonstrate their ability to manipulate digital content by editing and amending their composition.			
Resources **Purple Mash** **Laptops** **Internet Access**			

Computing Curriculum links over time. Year 3

Unit Topic Online Safety	Year 3		Term Autumn 1
Links to Prior Learning **Year 2 Personal username**		**Preparation for Future Learning** **Personal login details KS2.**	
Previous vocab links Search- Display Board- Email- Sharing- Digital Footprint- Username- Website- Webpage		**New vocab** Password—Internet- Blog- Concept map- Spoof website- PEGI rating.	
Core Content			
Online Safety. **Introducing personal password access for the school online network. Introduction to blogging. Reminder of not believing everything is true on the internet.**			
Assessment Criteria Pupils understand the negative implications of failure to keep passwords safe and secure and can suggest examples of good and poor passwords.			
Resources **Purple Mash** **New Passwords supplied by Edit Team linked to Purple Mash account.** **Laptops** **Internet access.**			

Unit Topic Coding	Year 3	Term Autumn 2

Links to Prior Learning **Year 2 Coding**	Preparation for Future Learning **Year 4 Coding Scratch** **Year 5 Coding Lego WeDo2** **Year 6 Scratch**

Previous vocab links **Action- Button - Code block- Code Design- Coder-** **Coding- Collision Detection- Command - Program-** **Properties- When clicked-Debug/Debugging- Repeat-** **Scale- Timer- When Key.**	New vocab **If- Object- Computer simulation- Selection- Variable.**

Core Content

Coding.
Building on Year 2. Children begin to understand the wider concepts of code, including explaining what they will do and why before building a program. Understanding why it is important to work systematically when debugging a code string.

Assessment Criteria

Pupils are attempting to turn increasingly complex real-life situations into algorithms for a program by deconstructing the situation into manageable parts.

Resources

Purple Mash
Laptops/iPads
Internet access.

Unit Topic	Year 3		Term Spring 1

Links to Prior Learning	Preparation for Future Learning
Year 2 Spreadsheets	**4 Spreadsheets Ready for Year 5/6 excel.**

Previous vocab links	New vocab
Copy and Paste- Count Tool- Equals tool- Image Toolbox- Lock tool- Move cell too- Speak Tool.	< > = Advance mode- Spin Tool Posture- Top row keys- Home row keys- Bottom row keys- Space bar.

Core Content

Spreadsheets
Creating charts, bar charts and graphs from data created using an electronic format. Data processing skills taught for input of data via a tablet & keyboard.

Touch Typing.
Using home/school 2Do facility children are encouraged to work from home to practise and improve their digital literacy skills.

Assessment Criteria

Children can create a table of data on a spreadsheet and can use this to automatically create charts/graphs from data.

Pupils have developed their touch-typing skills and understand how to touch type using the home, bottom and top row keys using both hands.

Resources
Purple Mash
Laptops
Internet access.

Unit Topic	Year 3		Term spring 2

Links to Prior Learning	Preparation for Future Learning

Previous vocab links	New vocab
Text-Font-copy and paste.	**PowerPoint-** Design Templates- Presentation- Slide- Slideshow- Text Box- Stock Image.

Core Content

M.S. PowerPoint.
Introduction to creating a PowerPoint Presentation. Link to cross-curricular activity Geography. Children will use Teams Home/school to look at PowerPoint desktop and online versions and the different platforms 'cloud' & 'drive' to save their work.

Assessment Criteria

Children will create a simple PowerPoint presentation of a cross-curricular activity the has cohesion.

Resources
Teams online version-Desktop version of PowerPoint-Extension to use Libreoffice for home application.
Purple Mash.
Laptops/iPads

Unit Topic	Year 3		Term Summer 1
Links to Prior Learning **Year 1 Animated Story** **Year 2 Creating Pictures**		Preparation for Future Learning **Scratch Year 3 Summer 2** **Year 4 Scratch**	
Previous vocab links IPads-App-Cartoons-Animation.		New vocab **Onion Skin-edit-double Tap-undo-camera-Capture-Timer.**	

Core Content

Using Stop-Motion Animation Software.
Looking at Aardman Animation films and the techniques used to create animated movement from photographing an object that is physically manipulated in small increments so that they will appear to exhibit independent motion or physical change.

Assessment Criteria

Children can create an animation from a series of digital images that has cohesion in the story telling.

Resources

iPads
App Stop Motion Studio.
Selected models/pictures for animation.

Unit Topic	Year 3		Term Summer 2
Links to Prior Learning		Preparation for Future Learning **Year 4 Writing for different Audiences.** **Year 4 Scratch**	
Previous vocab links **Action- Button - Code block- Code Design- Coder-Coding- Collision Detection- Command - Program-Properties- When clicked-Debug/Debugging- Repeat-Scale- Timer- When Key.**		New vocab **Simulation-Analyse-Evaluate** **Control-motion-Events-Sensing-Costumes-Sprite**	

Core Content

Simulations.
An introduction in to what a simulation is and why they are used. Children explore what the advantages and disadvantages of simulations are. They will understand the importance of simulations to replicate events that could occur in real and hypothetical situations.

Introduction to Scratch Coding Software.
Children will follow the planning from Year 6 using Scratch animation Software.
Children In Year 6 will have created a set of algorithms for the children to use to make a simple coded animation in Scratch as an introduction to scratch ready for Year 4.

Assessment Criteria

Pupils can analyse and evaluate information relating to the situations in the activities.
Children can make an animated sprite move using scratch animation software.

Resources

Purple Mash
Laptops
Internet Access.

	Access to the internet. **GoogleScratch 3 Animation**

Computing Curriculum links over time. Year 4

Unit Topic	Year 4	Term Autumn 1
Links to Prior Learning **Year 2 online Safety**		**Preparation for Future Learning** **Year 5.**
Previous vocab links Digital footprint- Email-		**New vocab** Computer virus—Cookies- Copyright- Identity theft- Malware- Phishing—Plagiarism- Spam.
Core Content		
Online safety. **Understanding identity theft, digital footprints and how phishing sites can steal your online identity.**		
Assessment Criteria **Pupils have decided upon the most important online safety messages to communicate and have shared these ideas in their Top Tips for Online Safety publication.**		
Resources **Purple Mash** **Laptops** **Internet access.**		

Unit Topic	Year 4	Term Autumn 2
Links to Prior Learning **Year 2**		**Preparation for Future Learning**
Previous vocab links Internet- Search- Search Engine.		**Future vocab links** Easter egg- Internet browser- Spoof website- Website
Core Content		
Effective Searching. **How to be a good researcher. Builds on from Year 2. Using search engines effectively. Looking at a variety of search engines Safari – Edge – Google - duckduckGo** **Hardware.** **To develop a greater understanding of what makes up a computer. Naming the parts and what they do.**		
Assessment Criteria Pupils can effectively retrieve relevant, purposeful digital content using a search engine.		
Resources **Specific data to use** **Purple Mash** **Laptops/iPads** **Internet access.**		

Unit Topic Writing for Different Audiences.	Year 4	Term Spring 1

Links to Prior Learning Year 1 Animated story Year 3 Touch typing- M.S. PowerPoint	Preparation for Future Learning Year 5 Year 6
Previous vocab links Newspaper Report. English links. Email: Compose- Send- To-CC- Address book. M.S Word: Posture- Top row keys- Home row keys- Bottom row keys- Space bar. M.S PowerPoint: Design Templates- Presentation- Slide- Slideshow- Text Box- Stock Image.	Future vocab links Newspaper Report: English links Email: Address book- Save to draft. M.S Word: Font size-Underlined-Italics-Bold- attachments-Document. M.S PowerPoint: Animation-insert-Transitions-

Core Content
Writing for Different Audiences. Children look at a variety of online communication applications. They then write a newspaper report – email with attachments – M.S Word desktop and Online version, changing fonts and styles– PowerPoint is then used to create a presentation on their learning using explaining the differences.

Assessment Criteria
Children can alter font types, styles and sizes to suit an intended audience for digital content.

Resources
Purple Mash Teams online M.S Office Apps. Laptops/iPads

Unit Topic 2Logo	Year 4	Term Spring 2

Links to Prior Learning	Preparation for Future Learning
Previous vocab links	Future vocab links LOGO- BK- FD- RT- LT- REPEAT- SETPC- SETPS- PU- PD.

Core Content
Coding & Debugging CAD/CAM able software. Code 2Logo design software to create a variety of ever more complex shapes and diagrams that could be used with a computer aided machine.

Assessment Criteria

Resources

Unit Topic **Animation using Scratch**	Year 4	Term Summer 1

Links to Prior Learning **Year 3 Introduction to Scratch with Year 6.**	Preparation for Future Learning **Year 6 Scratch Teaching**
Previous vocab links **Control-motion-Events-Sensing-Costumes-Sprite**	Future vocab links **Looks-operators-variables-my blocks-scripts-volume-tempo-fade-softer-louder-x-y axis-coordinates-**

Core Content

Animation using Scratch
Scratch is a block-based visual programming language website and builds on the Purple Mash Coding software and the introduction to Scratch in Year 3.

Assessment Criteria
Children create an animation using Scratch animation from a set planning sheet. They may also be able to produce an animation of their own.

Resources
Internet access
Google
Scratch website.

Unit Topic	Year 4	Term Summer 2
Links to Prior Learning **Year 3 Spreadsheets**	Preparation for Future Learning **Year 5-6 Ready for M.S. Excel.**	
Previous vocab links < > = Advance mode- Spin Tool Copy and Paste- Count Tool- Equals tool- Image Toolbox- Lock tool- Move cell too- Speak Tool.	Future vocab links Average- Advance mode- Charts- Formula-Formula wizard-Random tool- Timer.	

Core Content

Spreadsheets.
Using the formatting and formula functions in a spreadsheet. Looking at how we can explore numbers and make practical use of a spreadsheet in maths.
Spreadsheets.
Using the formatting and formula functions in a spreadsheet. Looking at how we can explore numbers and make practical use of a spreadsheet in maths.

Assessment Criteria
Pupils can add a formula to a cell to automatically make a calculation in that cell using the 'formula wizard'

Resources
Purple Mash
Laptops
Access to the internet.

Computing Curriculum links over time. Year 5

Unit Topic	Year 5		Term Autumn 1
Links to Prior Learning **Year 4 Identity theft.**		**Preparation for Future Learning** **Year 6**	
Previous vocab links Digital footprint- Email- Computer virus—Cookies- Copyright- Identity theft- Malware- Phishing— Plagiarism- Spam.		**Future vocab links** Smart rules- Reputable- Encryption- Shared image- Citations- Reference- Bibliography	
Core Content			
Online Safety. Responsibility and Behaviour online. Understanding the digital world beyond school, and realise online activity leaves a 'digital footprint' that can be tracked and traced. Pupils demonstrate an understanding of their responsibility to others as well as to themselves when communicating and sharing content online.			
Assessment Criteria			
Pupils demonstrate a clear understanding of what the SMART rules are and how they should be applied to using technology safely and respectfully.			
Resources **Purple Mash** **Laptops** **Access to the internet.** **SMART Rules Poster.**			

Unit Topic	Year 5		Term Autumn 2
Word Processing			
Links to Prior Learning **Year 4 Writing for different Audiences**		**Preparation for Future Learning.** **Text Adventures Year 6.**	
Previous vocab links **Posture- Top row keys- Home row keys- Bottom row keys- Space bar-Font size-Underlined-Italics-Bold-attachments-Document.**		**Future vocab links** **Copyright- Cursor- Font- In-built styles- Merge cells-Paragraph formatting- Readability How easy and pleasant- Template- Text formatting- Text wrapping-Word Art- Word Processing tool.**	
Core Content			
Word Processing with M.S Word. Using both desktop and online versions children will consider copyright and plagiarism issues when choosing images or copy & paste facility.			
Assessment Criteria			
Can use M.S Word to write a text that has cohesion and good correlation with text and images.			
Resources **Purple Mash** **Laptops** **Access to the internet.** **TEAMS 365 access.** **Downloaded Libreoffice for home access.**			

Unit Topic	Year 5		Term Spring 1
Links to Prior Learning		**Preparation for Future Learning**	
Previous vocab links **Action- Button - Code block- Code Design- Coder- Coding- Collision Detection- Command - Program- Properties- When clicked-Debug/Debugging- Repeat- Scale- Timer- When Key.**		**Future vocab links** **Instruction-robot-visual planning-motor-motion sensor-light sensor.**	

Core Content
Using LEGO WeDo2.   Understanding the difference between an Instruction and an algorithm. Children follow instruction to build a LEGO programmable Robot and the use algorithms to make the robot move.   Teaching Lego WeDo2 Coding to Younger Children   Designing and creating a simple Lego Model for Year 2 to build and then code. Cross-Key stage collaboration. Children in Year 6 using their knowledge to help younger children how to code a programmable robot.

Assessment Criteria
Children can build a robot from instructions and code using algorithms. They know the difference between an algorithm and an instruction.

Resources
Lego WeDo2 equipment.   **iPads**   **WeDo2 App**   **WiFi Access.**   **AA Bateries**

Unit Topic 3D Modelling	Year 5		Term Spring 2
Links to Prior Learning **Year 4 LoGo.**		**Preparation for Future Learning**	
Previous vocab links CAD- 2D- Net- Template.		**Future vocab links** Modelling- 3D- Viewpoint- Polygon- Points- 3D Printing.	

Core Content
3D Modelling.   **Creating 3D models using design software. Children create a variety of 3D models from paper 'nets.'**

Assessment Criteria
Pupils can design a 3D model to fit certain criteria using a template from 2Publish.

Resources
Purple Mash   **Laptops**   **Access to the internet.**

Unit Topic	Year 5		Term Summer 1

Links to Prior Learning Year 4 Spread sheets		Preparation for Future Learning	
Previous vocab links < > = Advance mode- Spin Tool Copy and Paste- Count Tool- Equals tool- Image Toolbox- Lock tool- Move cell too- Speak Tool- Average- Advance mode- Charts- Formula-Formula wizard- Random tool- Timer.		**Future vocab links** Excel-Average- Advance mode- Random tool- Spin Tool- Alignment- Area- Calculate- Cell- Cell reference- Effects- Formula(e)- Sum- Workbook- Value.	

Core Content

M.S Excel Spreadsheets.
Introduction on how to use a specific universally accepted data processing software.

Assessment Criteria

Children will be able to create a simple excel document use preselected data. They will understand that tools can be applied for simple actions.

Resources

Purple Mash
Laptops
Access to the internet.
TEAMS 365 access.
Downloaded Libreoffice.Calc for home access.

Unit Topic Concept Maps	Year 5		Term Summer 2

Links to Prior Learning		Preparation for Future Learning Year 6 Text adventures.	
Previous vocab links		**Future vocab links** Audience- Collaboratively- Concept- Concept Map- Connection- Idea- Node- Thought- Visual-	

Core Content

Concept Maps
Using Mapping software to how electronic concept maps help with all aspects of effective planning. They can be added to and deleted in parts as you go along and how they make collaborative research easier.

Assessment Criteria

Children can use 2Connect to design and create concept maps that collect and present a range of linked ideas.

Resources

Purple Mash
Laptops/iPads
Internet access.

Computing Curriculum links over time. Year 6

Unit Topic	Year 6	Term Autumn 1
Links to Prior Learning **Responsibility and Behaviour online. Year 5**		**Preparation for Future Learning**
Previous vocab links Email- Computer virus—Cookies- Copyright- Identity theft- Malware- Phishing—Plagiarism- Spam-Smart rules- Reputable- Encryption- Shared image- Citations- Reference- Bibliography		**Future vocab links** Screen time-Social Media-Relevant S.M Sites the children use. (Tiktok-WhatsApp, etc.)

Core Content

Online Safety
Wider World Ready.
Social Media, privacy and respect. Standing up to peer pressure and understanding behaviour in a virtual world needs constant self-awareness. Pupils can use search tools and routinely try to verify the validity and reliability of their sources. They look for corroborating sources for information and enter keywords that help them to choose the best results.

Assessment Criteria

Pupils demonstrate an understanding of their responsibility to others as well as to themselves when communicating and sharing content online. They can identify a variety of risks and benefits of technology.

Resources
Purple Mash
Laptops
Access to the internet.

Unit Topic Text Adventures.	Year 6	Term Autumn 2
Links to Prior Learning **Year 1** Animated Story Books **Year2-3**- **Coding:** **Year 4** Writing for Different Audiences. **Year 5** Word Processing		**Preparation for Future Learning**
Previous vocab links Concept map-Debug-Sprite-		**Future vocab links** Text-based adventure- Function

Core Content

Text Adventures.
Text adventures, also known as, interactive fiction is a text-based game wherein worlds are described in the narrative and the player submits typically simple commands to interact with the worlds.

Assessment Criteria

Pupils can turn a simple story with 2 or 3 levels of decision making into a logical design.

Resources
Purple Mash
Laptops
Internet access.

Unit Topic Blogging. Networking.	Year 6	Term Spring 1

| Links to Prior Learning

Year 3 Internet Safety- Blogging.	Preparation for Future Learning

| Previous vocab links
- Blog- Concept map- Spoof website- PEGI rating. | Future vocab links
Audience Blog page- Blog post- Collaborative- Icon- |
|---|---|

Core Content

Blogging.
Creating a class blog for feelings and thoughts and sharing their news.

Networking.
How did old people communicate?
Children use the questionnaire to generate responses from people who were around before the internet. They create a concept map on how they use the internet. What is the world wide web and what is difference between it and the internet.

Assessment Criteria

Pupils understand the features of a blog and the differences between a blog page and a blog post.

Resources

Purple Mash
Laptops/iPads
Internet Access

| Unit Topic
Spreadsheets	Year	Term Spring 2

| Links to Prior Learning
Year 5
Introduction | Preparation for Future Learning
High School Ready |
|---|---|

| Previous vocab links
< > = Advance mode- Spin Tool
Copy and Paste- Count Tool- Equals tool- Image
Toolbox- Lock tool- Move cell too- Speak Tool- Average-
Advance mode- Charts- Formula-Formula wizard-
Random tool- Timer. | Future vocab links
Excel-Average- Advance mode- Random tool- Spin Tool-
Alignment- Area- Calculate- Cell- Cell reference- Effects-
Formula(e)- Sum- Workbook- Value. |
|---|---|

Core Content

M.S Excel Spreadsheets.
Introduction on how to use a specific universally accepted data processing software.

Assessment Criteria

Children will be able to create a simple excel document use preselected data. They will understand that tools can be applied for simple actions.

Resources

Purple Mash
Laptops
Access to the internet.
TEAMS 365 access.
Downloaded Libreoffice.Calc for home access.

Unit Topic	Year	Term Summer 1

Links to Prior Learning	Preparation for Future Learning

Previous vocab links	Future vocab links
Decimal-Denary-Digit-Integer-Variable	Binary-Base 10-Base 2-Bit-Byte-Gigabyte-Kilobyte-Megabyte-Tetrabyte-Machine code—Nibble-Variable-Transistor.

Core Content

Understanding Binary.
Introduction 'ready for High school' in understanding code for computers are 1's & 0's called binary digits and that is why it is called digital technology. Examine how whole numbers are used as the basis for representing all types of data in digital systems.

Assessment Criteria

Pupils have an understanding of binary as a number system and its purpose and application in computing.

Resources
Purple Mash
Laptops
Access to the internet.

Unit Topic **Quizzing.**	Year	Term Summer 2

Links to Prior Learning	Preparation for Future Learning

Previous vocab links	Future vocab links
	Audience- Collaboration- Concept map- Database- Quiz.

Core Content

Quizzing.
Using a variety of electronic question based software to create fun quizzes. To use 2quiz to create a picture based quiz for KS 1 – M.S. Forms software for older children to have an end-of-Year social quiz.

Assessment Criteria

Pupils can plan, design and create various quizzes using a variety of software.

Resources
Purple Mash
Laptops
Access to the internet.