**Subject**: Computing

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| Computer science | SortComputer, direction, forward, backwards, left, right, instruction, sound | **Unit 1.2**Sort, Criteria**Unit 1.4**Instruction, Algorithm, Computer, Program, Debug**Unit 1.5**Direction, Challenge, Arrow, Undo, Rewind, Forward, Backwards, Right turn, Left turn, Debug, InstructionAlgorithm**Unit 1.7**Action, Code, EventInstructions, Output, Scale, Scene, Algorithm, Command, Execute, Object, Run, When clicked, Background, Debug/debugging, Input, Properties, Sound | **Unit 2.1**Action, Algorithm, Background, Button, Collision detection, Debug/debugging, Design mode, Event, Key pressed, Nesting, Object, Predict, Properties, Run, Scale, Scene, Sound, Test, When clicked/swiped, Sequence, Text, Timer | **Unit 3.1**Action, Alert, Algorithm, Blocks of command, Background, Button, Command, Event, Collision detection, Debug/debugging, Develop, Execute, Event, Nesting, Object, Flowchart, Plan, Predict, Output, Repeat, Properties, Procedure, Sequence, Scene, Sound, Test, Timer, Values | **Unit 4.1**Action, Alert, Background, Button, Code block, Command, Coordinates, Debug/debugging, Execute, Flowchart, If, If/else, Nesting, Number variables, Objects types, Predict, Prompt, Prompt for input, Repeat, Properties, Repeat until, Selection, Timer, Variable, Variable value**Unit 4.5**LOGO, BK, FD, RT, LT, REPEAT, SETPC, SETPS, PU, PD**Unit 4.8**Motherboard, CPU, RAM, Graphics card, Network card, Monitor, Speakers, Keyboard and mouse | **Unit 5.1**Action, Abstraction, Algorithm, Button, Called, Co-ordinates, Decomposition, event, If, Function, Nesting, Object, Repeat, Physical system, Properties, Run, Score, Sequence, Simplify/Simplified, Simulation, Variable, Tab, Timer**Unit 5.5**Animation, Computer game, Customise, Evaluation, Image, Instructions, Interactive, Screenshot, Texture, Perspective, Playability | **Unit 6.1**Action, Alert, Algorithm, Background, Button, Called, Co-ordinates, Command, Debug/debugging, Developer, Event, Decomposition, Flowchart, Function, Get input, If/Else, Launch command, Number variables, Nesting, Object, Predict, Procedure, Prompt, Properties, Repeat, Run, Scene, Selection, Simulation, String, Tab, Timer, User input, Variable**Unit 6.5**Text-based adventure, Concept map, Debug, Sprite, Function**Unit 6.6**Internet, World Wide Web, Network, Router, LAN, WAN, Network cables, Wireless**Unit 6.8**Base 10, Base 2, Binary, Decimal, Bit, Byte, Gigabyte, Denary, Digit, Machine Code, Integer, Kilobyte, Switch, Megabyte, Nibble, Variable, Tetrabyte, Transistor |
| Information Technology | Pictogram, arrow keys, enter, space bar, e-book, sound effect | **Unit 1.3 (Aut 2)**Pictogram, Data, Collate**Unit 1.8**Arrow keys, Backspace key, Cursor, Columns, Cells, Clipart, Count tool, Delete key, Image toolbox, Lock tool, Move cell tool, Rows, Spreadsheet, Speak tool**Unit 1.6**Animation, E-book, Font, File, Sound effect, Display board | **Unit 2.3**Backspace key, CellsEquals tool, Move cell tool, Spreadsheet, Copy and paste, Count tool, Image toolbox, Rows, Columns, Delete key, Lock tool, Speak tool**Unit 2.4**Pictogram, Collate, Database, Question, Binary tree, Data, Avatar**Unit 2.6**Impressionism, PalettePointillism, Share, Surrealism, Template**Unit 2.7**BPM, Soundtrack, Instrument, Tempo, Music, Composition, Digitally, Sound effects (Sfx), Volume**Unit 2.8**Concept map, NodeNarrative, Quiz, Animated, Audience, Presentation, Non-fiction | **Unit 3.3**< > =, Advance mode, Cope and paste, Columns, Cells, Delete key, Equals tool, Spin tool, Move cell tool, Rows, Spreadsheet**Unit 3.4**Posture, Top row keys, Home row keys, Bottom row keys, Space bar**Unit 3.6**Branching database, Data, Database, Question**Unit 3.7**Simulation**Unit 3.8**Graph, Field, Data, Bar chart, Block graph, Line graph**Unit 3.9**Animation, Audio, Design templates, Entrance animation, Font, Media, Presentation, Presentation program, Slide, Slideshow, Stock image, Textbox, Text formatting, Transition | **Unit 4.3**Average, Advance mode, Cope and paste, Columns, Cells, Charts, Equals tool, Formula, Formula wizard, Move cell tool, Random tool, Rows, Spin tool, Spreadsheet, Timer**Unit 4.4.**Font, Bold, Italic, Underline**Unit 4.6**Animation, Background, Frame, Flipbook, Onion skinning, Stop motion, Play, Sound, Video clip**Unit 4.7**Easter egg, Internet, Internet browser, Search, Website, Search engine, Spoof website**Unit 4.9**Pitch, Rhythm, Pulse, Tempo, Dynamics, Melody, Rippler, House music, Texture | **Unit 5.3**Average, Advance mode, Copy and paste, Columns, Cells, Charts, Equals tool, Formula, Formula wizard, Move cell tool, Random tool, Rows, Spin tool, Spreadsheet, Timer**Unit 5.4**Avatar. Binary tree (branching database), Charts, Collaborative, Data, Database, Find, Record, Sort group and arrange, Statistics and reports, Table**Unit 5.6**CAD, Modelling, 3D, Viewpoint, Polygon, 2D, Net, Points, Template, 3D printing**Unit 5.7**Audience, Collaboratively, Concept, Concept map, Connection, Idea, Node, Thought, Visual**Unit 5.8**Copyright, Cursor, Document, Font, In-built styles, Merge cells, Paragraph formatting, Readability, Template, Text formatting, Text wrapping, Word art, Word processing tool | **Unit 6.3**Average function, Advance mode, Copy and paste, Columns, Cells, Charts, Count tool, Dice, Equals tool, Formula, Formula wizard, Move cell tool, Random tool, Rows, Spin tool, Spreadsheet, Timer**Unit 6.4**Audience, Blog, Blog page, Blog post, Collaborative, Icon**Unit 6.7**Audience, Collaboration, Concept map, Database, Quiz**Unit 6.9**Alignment, Calculate, Cell, Cell reference, Chart, Column, Function, Formula(e), Range, Row, Spreadsheet, Style, Sum, Text wrapping, Value, Workbook |
| Digital Literacy | Login, avatar, logout, save, username, password | **Unit 1.1 (Aut 1)**Login, Username, Password, Log out, My work, Avatar, Notification, Topics, Tools, Save**Unit 1.9**Technology | **Unit 2.2**Search, Sharing, Display board, Email, Internet, Attachment, Digital footprint**Unit 2.5**Internet, Search, Search engine | **Unit 3.2**Password, Internet, Blog, Concept map, Username, Website, Webpage, Spoof website, PEGI rating**Unit 3.5**Communication, email, Compose, Send, CC, Attachment, Formatting, Report to the teacher, Password, Address book, Save to draft | **Unit 4.2**Computer virus, Cookies, Copyright, Digital footprint, Email, Identity theft, Malware, Phishing, Plagiarism, Spam | **Unit 5.2**Online safety, Smart rules, Password, Reputable, Encryption, Identity theft, Shared image, Plagiarism, Citations, Reference, Bibliography | **Unit 6.2**Digital footprint, Password, PEGI rating, Phishing, Screen time, Spoof website |