Lodge Farm Primary School

**Computing Progression of Vocabulary**

The vocabulary is progressive year on year for the three strands of computing: computer science, information technology and digital literacy using Purple Mash and Microsoft applications

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| **Skill/Topic Area** | **EYFS**  | **Y1** | **Y2**  | **Y3** | **Y4** | **Y5** | **Y6** |
| **Computer science** Pupils are taught the principles of information and computation, how digital systems work, and how to put this knowledge to use through programming. Problem solving Programming Logical thinking | On Off Switch Backwards Forward Instruction Sound Moving | Action Algorithm Arrow Background Input Challenge Code Criteria Debug Direction Event Left Turn Object Output Program Rewind Right Turn Run Sort Sound Undo When Clicked | Button Collision Detected Design Mode Key Pressed Nesting Predict SequenceTest Text Timer Execute PropertiesScale Scene When Swiped | Alert Blocks Of Commands Develop Flowchart Plan Procedure Repeat Values | Code Block Co-Ordinates If/Else Logo Motherboard Number Variable Objects Prompt Prompt For Input Repeat Until Selection Types Variable Variable Value | NetworksAudienceDigital ContentCode StructuresWorld Wide WebAbstraction Decomposition Function Interactive Modelling Perspective Physical System Playability Score Screenshot Simplify/Simplified Stimulation Tab | Called Developer Get input Launch command Router User input LAN local area WAN wide area |
| **Information technology** Pupils are equipped to use information technology to create programs, systems and a range of content. Creating content Searching | Buttons Collect Command Computer Count Equipment Keyboard Keys Monitor Mouse Movement Organise Phone Camera Remote Set Of Photos Type | Arrow Keys Backspace Key Cursor Cell Tool Cells Clipart Collate Columns Count Tool Data Delete Key Image Toolbox Lock Tool Move Pictogram Rows Speak Tool Spreadsheet | Animated Avatar Binary Tree Copy And Paste Database Equal Tool Lock Tool Presentation Question Soundtrack Space Bar Key Volume | Advance Mod Animation Audio Bar Chat Block Graph Branching Database Charts Design Templates Field Font Graphing Line Graph Media Question Slide Slideshow Spin Tool Stimulation Symbols = < > Text Box Transition | Average Background Bold Charts Flipbook Formula Formula Wizard Frame Italic Play Random Tool Stop Motion Timer Underline | Document Find Formatting Merge Cells Record Sort, Group And Arrange Statistics And Reports Table Text Wrapping Word Processing | Blog Post Calculate Cell Reference Count (How Many Tool) Icon Range Row Sum Style Workbook |
| **Digital literacy** Pupils become digitally literate – able to use, and express themselves and develop their ideas through, information and communication technology – at a level suitable for the future workplace and as active participants in a digital world. E-Safety Using IT Beyond school.  | Choices Create Internet Information Share Technology Website | Animation Avatar Display Board E-Book File Font Log In Username Logout My Work Notification Password Save Sound Effect Tools Topics | Attachment Digital Footprint Display Board Email Internet Browser Network Online Safety Save Search Search Engine Searching Sharing Template Wireless WWW | Address Book Attachment Blog Cc Communication Compose Concept Map Email Formatting PEGI Rating Save To Draft Send Spoof Website Webpage Website | Computer Virus Cookies Copyright Identify Theft Malware Phishing Plagiarism Spam | Bibliography Citations Encryption Reference Reputable Shared Image Smart Rules | Groom Privacy DiscreetInappropriateRespectfulSpoof website  |

The vocabulary is progressive in the areas/units of commuting carried out in every year group.

Online Safety Spreadsheets

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| --- | --- | --- |
| Year 1- Learn about purple mash in this unit. |  | Year 1 |
| Log In | Username | Password | Logout |  | Arrow Keys | Backspace Key | Cursor | Columns |
| My Work | Avatar | Notification | Topics |  | Cells | Clipart | Count Tool | Delete Key |
| Tools | Save |  |  |  | Image Toolbox | Move Cell  | Lock Tool | Rows |
|  Year 2  |  | Speak Tool | Spreadsheet |  |  |
| Search | Display Board | Internet | Sharing |  | Year 2 |
| Email | Attachment | Digital Footprint | Online Safety |  | Backspace Key | Copy And Paste | Equal Tool | Lock Tool |
| Year 3 |  | Year 3 |
| Concept Map | Website | Webpages | Spoof Website |  | Symbols | Advance mode | Spin tool | = |
| PEGI Rating | Blog |  |  |  | ≤ | ≥ |  |  |
| Year 4 |  | Year 4 |
| Computer Virus | Cookies | Copyright | Identify Theft |  | Average | Charts | Formula | Wizard |
| Malware | Phishing | Plagiarism | Spam |  | Random Tool |  |  |  |
| Year 5  |  | Year 5 |
| Smart Rules | Reputable | Encryption | Share Image |  |  |  |  |  |
| Citations | References | Bibliography |  |  |  |  |  |  |
| Year 6 |  | Year 6 |
| Spoof Website.  |  |  |  |  | Count  |  |  |  |

**Coding**

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| --- |
| Year 1 |
| Action | Algorithm | Background | Code |
| Command | Debug | Debugging | Event |
| Execute | Input | Instructions | Object |
| Properties | Output | Run | Sound |
| Scale | Scene | When Clicked |  |
|  Year 2  |
| Button | Collision Detected | Design Mode | Key Pressed |
| Nesting | Predict | When Swiped | Sequence |
| Text | Test | Timer |  |
| Year 3 |
| Alert  | Develop | Plan | Repeat |
| Blocks Of Commands | Flowcharts | Procedure | Values |
| Year 4 |
| If/Else | Objects Types | Prompt For Input | Repeat Until |
| Code Block | Selection | Variables | Co-Ordination |
| Number Variables | Prompt | Variable Vales |  |
| Year 5  |
| Decomposition | Simplified | Tab | Abstraction |
| Physical System | Score | Stimulation | Function |
| Year 6 |
| Get Input | Developer | Called | Launch Command |
| User Input |  |  |  |