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  Sequence  Test  Text  Timer  Execute Properties  Scale  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 | Networks  Audience  Digital  Content  Code Structures  World Wide Web  Abstraction 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  Discreet  Inappropriate  Respectful  Spoof website |

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

Online Safety Spreadsheets

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |  |  |  |