

**Computing Vocabulary**

**As a school, we have set our curriculum intent with our children at the centre.**

**Our curriculum is designed to achieve strong outcomes, positive mental and physical health, resilience and identity: reflecting our vision of ‘life in all its fullness**

Computing is split into 5 different categories: **E-Safety**, Programming, Multimedia, Technology in Our Lives and Data Handling. Below is the vocabulary progression from Reception to in Year 6.

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| **Programming** | | | | | | | | | | | | | | | | | | |
| **Reception** | | | **Year 1** | | | **Year 2** | | | **Year 3** | | | **Year 4** | | | **Year 5** | | | **Year 6** |
| Equipment  Buttons  Movement | | | Instructions  Buttons  Robots  Patterns  Program | | | Forward  Backward  Right-angle turn  Algorithm  Sequence  Debug  Predict | | | Sequence instructions  Sequence debugging  Test + improve  Logo commands  Sequence programming | | | Type + edit logo commands  Sensors  Open-ended problems  Bugs in programs  Complex programming | | | Explore procedures  Refine procedures  Variable  Hardware + software control  Change inputs  Different outputs  Articulate solutions  Commands | | | Predicting outputs  Plan, program, test & review a program  Program writing  Control mimics + devices  Sensors  Measure input  Create variables  Link errors |
| **Multimedia** | | | | | | | | | | | | | | | | | | |
| **Reception** | **Year 1** | | | **Year 2** | | | **Year 3** | | | **Year 4** | | | **Year 5** | | | **Year 6** | | |
| Screen  Mouse  Images  Keyboard  Paint | Videos  Camera stills  Sounds  Image bank  Word bank  Space bar | | | Paint effects  Templates  Animation  Documents  Index finger typing  Enter/return  Caps lock  Backspace | | | Multimedia  Presentations  Alignment  Brush size  Repeats  Reflections  Green screening  Amend  Copy  Paste | | | Creating + modifying  Specific purpose  Photo modifying  Keyboard shortcuts  Bullet points  Spell check  Constructive feedback | | | Online sharing  Multimedia effects  Multimedia modification  Transitions  Hyperlinks  Editing tools  Refining  Online sharing | | | Appropriate online tools  Audience  Atmosphere  Structure  Copyright  Information collection  HTML code  Storing | | |
| **Technology in Our Lives** | | | | | | | | | | | | | | | | | | |
| **Reception** | | | **Year 1** | | | **Year 2** | | | **Year 3** | | | **Year 4** | | | **Year 5** | | | **Year 6** |
| Technology  Share  Create  Internet | | | Purpose  Online tools  Communicate | | | Information sources  Communication  Purposes  Website content | | | School network  Devices  Computer parts  Collaborate  Appropriate online communication  Search tools  Appropriate websites  Owner | | | Different networks  Information collection  Reliability  Owners | | | Computing devices  Internet parts  Collaboration  Responsibility  Searching strategies  Webpages | | | Information movement  Connecting devices  Different audiences  Research strategies  Search result rankings  Acknowledge resources |
| **Data Handling** | | | | | | | | | | | | | | | | | | |
| **Reception** | | **Year 1** | | | **Year 2** | | | **Year 3** | | | **Year 4** | | | **Year 5** | | | **Year 6** | |
| Collect  Set of photos  Count  Organise | | Photographs  Video  Sound  Data  Pictogram  Digitally | | | Capturing moments  Magnified images  Questions  Data collection  Graphs  Charts  Save  Retrieve | | | Questioning  Database  Construct  Contribute  Recording data  Data logger  Present data | | | Database creation  Database searches  Inaccurate data | | | Spreadsheets  Complex searches (and/or: </>)  Problem solving  Present answers  Analyse information Question data  Interpret | | | Generate  Process  Interpret  Store  Present information Plausibility  Appropriate data tool  Interrogate  Investigations | |

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| **E-Safety** | | | | |
| **Reception** | **Year 1** | **Year 2** | **Year 3 and Year 4** | **Year 5 and Year 6** |
| Choices  Internet  Website | Rules  Online  Private information  Email | Appropriate/inappropriate sites  Cyber-bullying  Digital footprint  Keyword searching | E-safety rules  Secure passwords  Report abuse button  Gaming  Blogs | Responsible online communication  Informed choices  Virus threats  Blogs  Messaging |