

## Rednal Hill Infant School Computing Overview



| Information Technology                            |               | Computer Science | Digital Literacy |
|---------------------------------------------------|---------------|------------------|------------------|
| Collecting, evaluating and presenting information | Data Handling |                  |                  |

Themes for each Year group are the suggested possibility. The theme could change as a result of the particular cohort interest or due to a National or Global event. For children in Nursery, technology will be present within an enabling environment and enhanced provision. Children in Reception will have 1 adult directed focus task per half term to focus on. Technology will be present within enhanced provision through other opportunities such as role play and every day life. Children in KS1 receive 2 hours of computing skills every 3 weeks as well as enhanced provision threading through other lessons. Lessons highlighted in green relate to Information Technology. Lessons highlighted in blue relate to Computer Science. Digital Literacy threads through every computing lesson.

|                   | Autumn 1                                                                                                                                                                                                                                  | Autumn 2 | Spring 1                                                                 | Spring 2 | Summer 1                                                                                                                    | Summer 2 |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Nursery</b>    | Familiarising with types of technology- Role play (technological toys e.g. iron, microwave, telephone, computer) - use and operate simple technological devices in everyday life, - talk about and use 'make believe' technology in play. |          |                                                                          |          |                                                                                                                             |          |
| <b>Vocabulary</b> | microwave, iron, television, phone, laptop, mobile, keyboard                                                                                                                                                                              |          |                                                                          |          |                                                                                                                             |          |
| <b>Reception</b>  | Use of 2Paint a Picture on Purple Mash and Whiteboard Annotate on IWB.                                                                                                                                                                    |          | Camera- Using the iPad to take a picture.                                |          | Simple Algorithms- Using a Twister Mat and BeeBots to follow instructions.                                                  |          |
| <b>Vocabulary</b> | Paint, paint brush, picture, marks, lines, shapes.                                                                                                                                                                                        |          | iPad, App, Photograph, Camera, Screen, Still, Take, Press, Blurry, Clear |          | Instructions, algorithm, program, Bee Bot, route, follow, turn, forwards, backwards, order, sequence, before, after, action |          |

|                      |                                                                           |                                                              |                                                                                                                                       |                                                                                   |                                                                                                        |                                                                                        |
|----------------------|---------------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <b><u>Year 1</u></b> | Using pic collage to present work                                         | Just paint and write- All about me (Part 1)                  | Simple Algorithms and programs (Part 2)- Turtle                                                                                       | Gathering data and creating charts                                                | Create simple programs (Part 2)- Retrieval and Challenge                                               | Collect Photographs and Paint Picture (Part 2)                                         |
| Vocabulary           | App, photograph, focus, capture, select, icon, background, text box, font | Save, retrieve, share, load, re-save, text, keyboard, file   | Instructions, algorithm, program, directional language, route based                                                                   | Pictogram, data, tally chart, labels, information, retrieve, shared file, analyse | Sprite, algorithm, program, debug, sequence, computer, outcome, predict, logical thinking              | Photograph, text, camera, add, import, text, select, icon, create, file, name, capture |
| <b><u>Year 2</u></b> | Using pic collage to present work                                         | Ways to present information                                  | Programming-Scratch- Part 1                                                                                                           | Collecting, organising and presenting data                                        | Art of animation                                                                                       | Programming-Scratch- Part 2                                                            |
| Vocabulary           | Search engine, Kiddle, key phrase, icons, locate                          | Search engine, stamp, file, save as, text, image, background | Motion blocks, programming script, start flag, end flag, grid, run/play, drag and drop, looks blocks, script area, bug, coding, route | Multiple choice, data collection, graph, survey, responses, results, analyse      | Frame, animation, animation software, Onion Skinning, sequence, textures, colour wheel, duplicate, add |                                                                                        |