 **STANNINGLEY PRIMARY SCHOOL COMPUTING CURRICULUM MAP** 

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|  | **EARLY YEARS** | **YEAR 1** | **YEAR 2** | **YEAR 3** | **YEAR 4** | **YEAR 5** | **YEAR 6** |
| AUTUMN 1 | Safe use of tools and materials.Understand that electricity can be dangerous. Know that some equipment needs electricity/batteries to make it work. Know that information can be gained through technology (Ipad/tapestry) Know that technology can be used to reproduce pictures. | **SAFE USE OF ICT**Unit 1:1 Online safety and exploring purple mash.***N.C Use Technology Safely and Respectfully***Unit 1.2Grouping and sorting.***N.C Use Technology Purposefully*** | **CREATE PROGRAMMES** – Coding and decoding ***Unit 2.1 Purple Mash******N.C Create and debug simple programmes*** | **CREATE PROGRAMMES****CODING** unit ***3.1 purple Mash******N.C Design, write and debug programmes*****SAFE USE OF ICT *Unit 3.2 Purple Mash******N.C Use Technology Safely, respectfully and responsibly*** | **DEVELOP PROGRAMMES** - **CODING*****Unit 4.1 Purple Mash******N.C Design, write and debug programmes that accomplish specific goals*** | **DEVELOP PROGRAMMES** **– CODING*****Unit 5.1 Purple Mash******N.C Use logical reasoning***  | **ONLINE SAFETY** ***N.C Use Technology Safely, respectfully and responsibly*****COMPUTER NETWORKS*****N.C Understanding Computer Networks;***  |
| AUTUMN 2 | Use of whiteboard for fine motor control. Use of photography and video to celebrate and share our learning and Christmas celebrations. Use recorded material to help learn songs.  | **USING TECHNOLOGY****Unit 1.3 Pictograms****Unit 1.4 Lego builders*****N.C Use Technology Purposefully*** | **SAFE USE OF ICT**Online safety***N.C Use Technology Safely and Respectfully*****USING TECHNOLOGY/ ALGORITHMS** **Units 2.2/2.3 Purple Mash*****N.C Understand what Algorithms are / Use logical reasoning*** | **USING PROGRAMMES:****SPREADSHEETS*****Unit 3.3 Purple Mash******N.C Use sequence, selection and repetition in programmes*****TYPING*****Unit 3.4 Purple Mash******N.C Use technology to accomplish given goals*** | **SAFE USE OF ICT**Online safety (4.2)***N.C Use Technology Safely, respectfully and responsibly*****CREATE PROGRAMMES**Writing for different audiences***Units 4.2/4.4 Purple Mash******N.C. select, use and combine a variety of software*** | **DEVELOP PROGRAMMES** Spreadsheets **(Unit 5.3)*****N.C Use sequence, selection and repetition in programmes*****SAFE USE OF ICT*****Units 5.2 / 5.3 Purple Mash N.C Use Technology Safely, respectfully and responsibly*** | **SPREADSHEETS** ***N.C. select, use and combine a variety of software*** |
| SPRI NG 1 | Use of torches, light boxes, projector. Use of CD player. Use simple drawing programme. Begin to understand the safe use of these devises. Know that information can be retrieved through technology, watching specific program/video clips.  | **ALGORITHMS**1.5 Maze Explorers**USE TECHNOLOGY**1.6 Animated Stories***N.C Understand what Algorithms are******N.C Use Technology Purposefully*** | **USING TECHNOLOGY****SPREADSHEETS**Unit 2.4 – Questioning***N.C Use Technology Purposefully*** | **USING PROGRAMS**Unit 3.8 – Graphing***N.C. select, use and combine a variety of software*** | **DEVELOP PROGRAMS**Unit 4.5 – Logo***N.C Use sequence, selection and repetition in programmes*** | **USING PROGRAMS**Unit 5.4 – Databases ***N.C. select, use and combine a variety of software*** | **CODING WITH MICROBITS*****N.C Design, write and debug programmes that accomplish specific goals*** |
| SPR ING 2 | Chick incubator.Controlbattery operated toys and Bee Bots.Google Earth, explore our local environment and beyond.  | **REASONING**Unit 1.7 Coding***N.C Use logical reasoning***  | **USING TECHNOLOGY** Unit 2.5 – SearchingUnit 2.6 – Creating pictures ***N.C Use Technology Purposefully*** | **NETWORKS**Unit 3.5 – Email***N.C Understanding Computer Networks Use technology to accomplish given goals*** | **USING PROGRAMS**Unit 4.6 – Animation***N.C. select, use and combine a variety of software*** | **USING PROGRAMS**Unit 5.5 – Game Creator***N.C. select, use and combine a variety of software*** | **CODING WITH MICROBITS*****N.C Design, write and debug programmes that accomplish specific goals*** |
| SUMMER 1 | Continue to share experiences through tapestry. Use of classroom / whiteboard to support learning. (children operating apps.) | **USING TECHNOLOGY**Unit 1.8 Spreadsheets***N.C Use Technology Purposefully*** | **USING TECHNOLOGY**Unit 2.7 Making Music***N.C Use Technology Purposefully******N.C Uses of Technology beyond School*** | **USING PROGRAMMES**Unit 3.6 Branching Databases***N.C. select, use and combine a variety of software*** | **SEARCH ENGINES**Unit 4.7 Effective Searching***N.C use search technologies effectively*****UNDERSTANDING COMPUTER HARDWARE**Unit 4.8 Hardware investigators | **USING PROGRAMMES**Unit 5.6 – 3D Modelling***N.C. select, use and combine a variety of software*** | **FILM MAKING** ***N.C. select, use and combine a variety of software*** |
| SUMMER 2 | Learn to log on. Begin to understand the safe use of internet.  | **USE OF TECHNOLOGY BEYONG SCHOOL**Unit 1.9 Technology outside school***N.C Uses of Technology beyond School*** | **USING TECHNOLOGY**Unit 2.8 Presenting ideas***N.C Use Technology Purposefully*** | **CREATE PROGRAMMES**Unit 3.7 Simulations***N.C Design, write and debug programmes that accomplish specific goals*** | **USING PROGRAMMES**Unit 4.3 Spreadsheets***N.C. select, use and combine a variety of software*** | **USING PROGRAMMES**Unit 5.7 – Concept Maps***N.C. select, use and combine a variety of software*** | **CREATING MULTI-MEDIA STORIES*****N.C. select, use and combine a variety of software*** |