**Godwin Primary School Computing Curriculum Map (Software and Resources)**

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| Year Group | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| N | In Nursery, computing is integrated throughout the year. Resources and activities include:* Cause and effect toys (toys where an action creates something to happen such as push and pop up toys)
* Sensory room resources (light up toys and bubble machine)
* CD player (used to play music from, children are aware of how to turn the CD player on and off)
* Ipads (children use them to take photographs e.g. when going on a minibeast hunt in the garden, adults use them to research and share videos and photos with the children)
* Electronic toys e.g. microwaves (roleplaying what they do and how they do them)
* Torches (linked to role-play during activities)
* Programming Beebots to move (positional language)
* Remote control cars (focus on movement)
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| R | In reception, computing is integrated throughout the year. Resources and activities include:* Ipads (taking photographs and manipulating them e.g. enlarging)
* Programming Beebots to move (positional language)
* Voice recorders (used to retell stories)
* Stop watches (maths/ time)
* Torches (linked to role-play during activities like being a superhero)
* Remote control cars (focus on movement)
* Electronic toys e.g. microwaves (roleplaying what they do and how they do them)
* Using the internet to search for information (e.g. after a knowledge harvest, the adult and children can search for answers on the computer together)
* Teacher led activities on a computer (e.g. tenergy, PowerPoint sessions)
* Godwin online safety rules
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| 1 | Computing Systems and Networks – Technology Around Us**(UNPLUGGED)** | Creating Media – Digital Painting**(2PAINT / PURPLE MASH SUITE)** | Creating Media – Digital Writing**(2PUBLISH / PURPLE MASH SUITE)** | Programming A – Moving a robot**(BEEBOTS)** | Data and Information – Grouping Data**(MAINLY UNPLUGGED / SORTING ACTIVITY)** | Programming B – **Introduction to Animation****(2CODE / PURPLE MASH SUITE)** |
| 2 | Computing Systems and Networks – Information Technology Around Us(**UNPLUGGED)** | Creating media – Making Music**(CHROME MUSIC LAB)** | Programming A – Robot algorithms**(2CODE / PURPLE MASH SUITE)** | Data and Information – Pictograms**(2COUNT and 2GRAPH / PURPLE MASH SUITE)** | Creating media – Digital photography**(TABLET DEVICES / CAMERA APPS)** | Programming B **–** An introduction to quizzes**(2CODE / PURPLE MASH SUITE)** |
| 3 | Computing Systems and Networks **(UNPLUGGED / WORKSHEETS)** | Creating media – Desktop publishing**(2PUBLISH+ / PURPLE MASH SUITE)** | Programming A – Sequence in music**(2CODE / PURPLE MASH SUITE)** | Data and Information – Branching Databases**(2QUESTION / PURPLE MASH SUITE)** | Creating Media – Animation**(2ANIMATE / PURPLE MASH SUITE)** | Programming B – Events and actions**(2CODE / PURPLE MASH SUITE)** |
| 4 | Computing systems and networks – The internet**(INTERNET BROWSER)** | Creating media – Audio editing**(Adobe Express/BAND LAB)**  | Programming A – Repetition in shapes**(2CODE / PURPLE MASH SUITE)** | Data and information – Data logging**(Microbit)** | Creating Media – Photo editing**(Adobe Express)** | Programming B –Repetition in games**(2CODE / PURPLE MASH SUITE)** |
| 5 | Computing systems and networks – Sharing information**(INTERNET BROWSER)** | Creating media – Vector drawing**(MICROSOFT POWERPOINT)** | Data and Information - Flat-file Databases**(J2e)**  | Programming A – Selection in physical computing – **(Crumble)**  | Creating media – Video editing**(Adobe Express)** | Programming B – Selection in quizzes**(2CODE / PURPLE MASH SUITE)** |
| 6 | Computing systems and networks – Communication**(INTERNET BROWSER)** | Creating Media – 3D Modelling**(TINKERCAD)** | Programming A – Variables in games**(2CODE / PURPLE MASH SUITE)** | Data and information – Spreadsheets**(MICROSOFT EXCEL)** | Programming B – Sensing**(Microbits)** | Creating Media – Web page creation**(GOOGLE SITES)/Adobe Express** |