MGL Scheme Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer2
Foundation Stage	*Digital Literacy*		*IT*		*Computer Science*	
	Digital Literacy: I am a super surfer *Basic Skills – Mouse control, touch screen control,keyboard* *Suggested software:* • *https://www.bbc.co.uk/cbeebies* • *https://www.childnet.com/resources/smartie-the-penguin* • *PicCollage* • *Doodle Buddy* • *Microsoft Paint*		*IT: Look at what I can do* *Basic skills - Mouse control, using a touch screen, using a camera, digital drawing* *Suggested software:* • *Paint* • *Cbeebies* • *Pic Collage* • *Duck Duck Moose* • *Go Create*		*Computer Science: I am a computer scientist* *Basic skills - touch screen control, pressing buttons, using directional arrows, cause and effect* *Suggested software:* • *Beebot app* • *Bluebot app* • *Pic Collage*	
Year 1	*IT*	*Digital Literacy*	*Computer Science*	*Computer Science*	*IT*	*Digital Literacy*
	Digital Literacy: Why we have passwords. *Basic Skills – Logging in/Mouse/Keyboard* *Suggested software:* • *Lets learn bubble practise* • *ABCYA Take a trip* • *Type Club* • *ABCYA Typing Race* • *Sketch Pad* • *Dino password*	*Using Word and other programs to process and format text & images* *Suggested Software:* • *Word* • *Google Docs* • https://www.j2e.com/jit5	*Unplugged Algorithms – Understanding & building a basic algorithm* *Suggested Software:* • *Code-it.org* • *Barefoot*	*Using iPad apps & physical devices to create algorithms in a coding context* *Suggested Software:* • *Code safari (ipad)* • *Kodable (ipad)* • *Bee Bots* • *Rapid Router*	*Data Collection & Representation using pictograms* *Suggested Software:* • https://www.j2e.com/jit5 • https://primaryschoolict.com/pictograph/ • Pic collage	*Digital Literacy: Pupils to discuss how they know if a website is right for them or not.* *Presenting Information using photos and text* *Suggested Software:* • *Pic Collage* • *Book creator* • *Common Sense Education*
Year 2	*IT*	*Computer Science*	*Computer Science*	*Digital Literacy*	*IT*	*Digital Literacy*
	Digital Literacy: Using a computer responsibility in terms of both time and purpose. *What is a Computer and identifying different parts of a computer and if they are inputs or outputs* *Suggested Software:* • https://www.bbc.co.uk/bitesize/topics/zbhgjxs/articles/z9myvcw • Youtube	*Programming unplugged/Computational Thinking* *Suggested Software:* • *Code-it.org* • *Barefoot computing*	*Building a program using Scratch Jnr* *Suggested software:* • *Scratch Jnr*	*Digital Literacy: Identifying what personal information is and whom it should be shared with.* *Creating a Database in the form of Top Trump Cards* *Suggested Software:* • *Microsoft Access* • *Microsoft Excel* • *Google Sheets* • *Paint*	*Data Collection & Representation using charts and graphs* *Suggested Software:* • https://www.j2e.com/jit5 • https://primaryschoolict.com/pictograph/ • Pic collage	*Presenting Information* *Suggested Software:* • *Book Creator* • *Pic Collage* • *Powerpoint* • *Google Slides* • *Key Note* • *Slides*

Year 3	*Use of different Software (IT)*	*Programming Skill (CS)*	*Programming Project (CS)*	*Media (IT)*	*How Things Work (CS)*	*Design (IT)*
	Digital Literacy objective: Children consider their responsibilities to others online. *Pupils explore the different advanced features of Microsoft Word including representing data using tables. They also use these skills to compose an email.* *Suggested Software:* • *Word* • *Google Docs* • *Google mail*	*Input and Sequencing* *Suggested Software:* • *Scratch*	*Creating a programmable world using Kodu* *Suggested Software:* • *Kodu*	*Digital Literacy objective: Children consider that all of the media they see could have been altered.* *Pupils to look at the skills behind taking a good photograph and how these photos can be edited in various ways.* *Suggested Software:* • *Pic Collage* • *Book Creator* • *Canva* • *Paint*	*Pupils to look at the different parts inside a computer and what they do.* *Suggested Software:* • *BBC Bitesize* • *Youtube*	*Pupils to design a poster deciding on text, pictures and layout is most suitable for their audience. They are to use some type of data collection to inform what goes on their poster. E.g. If the poster is a party invite what is the most popular food.* *Suggested Software:* • Canva • Publisher • PowerPoint • Word
Year 4	*Use of different Software (IT)*	*Programming Skill (CS)*	*Programming Project (CS)*	*Media (IT)*	*How Things Work (CS)*	*Design (IT)*
	Pupils learn about the concept of branching database and create their own using presentation software. *Suggested Software:* • *Microsoft Powerpoint* • *Google Slides* • *JIT5* • *Pic Collage*	*Repetition and forever loops* *Suggested Software:* • *Scratch* • *Code.org* • *Hour of Code* • *Rapid router*	*Use Scratch to design, plan and create a program* *Suggested Software:* • *Scratch*	*Digital Literacy: Learn how photos/videos can be edited online for advertisement.* *Pupils to create own videos and apply special effects to them.* *Suggested Software:* • *Windows movie maker* • *IMovie* • *Green Screen (using iMovie)*	*Digital Literacy: Pupils understand why a password is important and what a good password looks like.* *Understand what a network is and the parts of the local network in our school* *Suggested Software:* • *Google Slides* • *Word* • *PowerPoint*	*Create art using and creating a key in Microsoft Excel* *Suggested Software:* • *Excel*
Year 5	*Use of different Software (IT)*	*Programming Skill (CS)*	*Programming Project (CS)*	*Media (IT)*	*How Things Work (CS)*	*Design (IT)*
	Using Excel to create and search a database *Suggested Software:* • *Microsoft Excel* • *Google Sheets* • *Numbers*	*If statements / If else statements* *Suggested Software:* • *Scratch* • *Code.org* • *Hour of Code* • *Rapid router* • *Blockly Games*	*Create music using computer code.* *Suggested Software:* • *Scratch* • *Barefoot Computing* • *Code It* • *Microbit*	*Digital Literacy: Pupils to create a short animation about relationships online, who can you trust?* *Understand what stop motion animation is and create their own animation.* *Suggested Software:* • *Stop Motion* • *iMovie/Green Screen*	*Digital Literacy: Pupils learn what an online footprint is and the reasons technology holds onto our information.* *Understand the difference between the internet and the World Wide Web and how one uses the other to work.* *Suggested Software:* • *Barefoot Computing* • *BBC Bitesize* • *YouTube*	*3D Modelling* *Suggested Software:* • *Google Sketchup* • *Sketchpad* • *Tynker-cad*
Year 6	*Use of different Software (IT)*	*Programming Skill (CS)*	*Programming Project (CS)*	*Media (IT)*	*How Things Work (CS)*	*Design (IT)*
	Creating Formula in Excel *Suggested Software:* • *Microsoft Excel* • *Google Slides*	*Understand what variables are and how to use them.* *Suggested Software:* • *Scratch*	*Creating a program for a specific audience.* *Suggested Software:* • *Scratch,* • *Microbit*	*Digital Literacy: Pupils learn about copywriting and using someone else's work responsibly* *Learn how to plan and compose music* *Suggested Software:* • *Audacity* • *Garage Band*	*Explore different ways data can transferred and stored over a network* *Suggested Software:* • *Barefoot Computing* • *Youtube*	*Digital Literacy: Pupils learn about fake news and how it can be used as click bait.* *Pupils use HTML to design and create their own webpage.* *Suggested software:* • *Notepad*