Computing Road Map

EYFS

I should always ask an adult before using the internet.

I can create simple programme on a Beebot.

YEAR 1

I can take a picture on an iPad.
I can upload to Seesaw.
I can scan a QR code.

Passwords are private and should not be shared.
I know how to talk to a trusted adult if there is something I don't understand online

I can control a Beebot & make changes to it's route.
I know what an algorithm is.
Ican recognise how to run a command on Scratch.

Log in using a password.
Type simple words.

YEAR 2

I can create & debug simple programmes.
I can choose a series of commands on Scratch Jnr.
-I can describe instructions as a sequence.

I know the importance of being kind and respectful online.
I should only talk to people I know in real life online.
I know where to go and who to talk to if I have concerns about something I see online.

YEAR 3

I can title a document
I can select an image to use.
I can change the format of a document.

I know the importance of treating others with respect online
I have strategies for dealing with inappropriate content online
I know the risks of sharing personal information online.

I can explain how simple algorithms work.
I can accomplish specific goals by designing, writing & debugging programmes.
I can collect data.

I can search on a given website.
I can open a new document.
I can type simple sentences with punctuation.

I know what acceptable and unacceptable behaviour is online.
I can create strong, secure passwords.

YEAR 4

I can use repetitions on Scratch.
I understand how websites are selected & ranked.
I can design, write & debug programmes.
I can collect & analyse data.

I can save a document & retrieve it.
I can use simple formatting on docs.

I know the importance of respectful communication.
I know the concept of a digital footprint.
I can question the credibility of some online content.

I can insert & re-size images.

YEAR 5

I can switch programme flow 1 of 2 ways.
I can use an if, then else loop.
I can use a selection in programmes on Scratch.
I can detect errors in algorithms & programmes.
I can evaluate & analyse date in a database.

Google

I know the importance of privacy settings.
I know the risks and benefits of social media.
I know there are opportunities for communication and collaboration on the internet.

I can design and create google slides.
I can use the spell check tool and thesaurus to improve writing.
I can present collected data in google sheets.
I can use different formats to export and print a doc.

I can identify and use an existing variable on Scratch.
I begin to solve problems by decomposing them into smaller parts.
I can detect and correct errors in algorithms and programmes

YEAR 6

E-SAFETY | PROGRAMMING & CODING | COMPUTING LITERACY | SEESAW

Ready | Respectful | Safe | Kind