Computing curriculum progression map

Y6

- Can I select, use and combine a variety of software to collect, analyse, evaluate and present data and information?
- Can I understand and explain the differences between the internet, World Wide Web, WAN and LAN?
- Can I combine a range of coding structures to achieve an expanded algorithm design?
- Can I use a range of technologies and services safely, respectfully and responsibly?
- Can I apply filters and compare a range of digital content in terms of quality and accuracy to explain the credibility of webpages in detail?
- Can I interpret and combine separate parts of a complex algorithm to explain the program as a whole?
- Can I logically create, test and systematically debug a complex algorithm?

Y5

- Can I begin to combine sequence, timers and if statements with other coding structures to achieve an algorithm design?
- Can I understand and recognise the value and dangers of a network?
- Can I confidently make improvements to and comment on digital solutions?
- Can I begin to create, test and debug a complex algorithm for a real-life situation?
- Can I begin to independently organise, debug and interpret code?
- Can I use more complex searches for digital content using a search engine and explain the credibility of webpages?
- Can I use technology safely, respectfully and responsibly and understand how it can affect mental wellbeing?
- Can I make improvements to digital solutions and make informed software choices?
- Can I identify the main parts of a computer which aid communication?
- Can I use timers and if statements to manipulate the value of variables?

Y4

- Can I use technology safely, respectfully and responsibly and begin to know how to report inappropriate content in a range of ways?
- Can I understand the function, features and layout of a search engine and begin to explain the credibility of a webpage?
- Can I read and develop logical and achievable programs using some new coding structures?
- Can I create an algorithm using selection and repetition and attempt to debug my own code?
- Can I create a simple sequence using variables to store information?
- Can I list a range of internet communication methods and begin to use email?
- Can I collect, analyse, evaluate and present data by choosing appropriate software?

Y3

- Can I create a simple algorithm for a real-life situation and identify errors?
- Can I begin to read and develop logical and achievable programs using some new coding structures?
- Can I carry out simple searches to retrieve digital content using a search engine?
- Can I begin to use technology safely, respectfully and responsibly and begin to know how to report inappropriate content in a range of ways?
- Can I understand how to search online and the vocabulary associated with this?
- Can I identify the cause and effect of coded instructions within a program?
- Can I understand and explain that an algorithm is a precise set of instructions?

Y2

- Can I use technology safely and know how to report inappropriate content?
- Can I organise, name, save, retrieve and edit a range of digital content?
- Can I begin to create and correct a simple program using logical steps?
- Can I begin to work out problems within a simple code?
- Can I sort, collate, edit and store simple digital content?
- Can I use technology safely and respectfully, keeping personal information private?

Y1

- Can I understand that an algorithm is a set of instructions?
- Can I read lines of codes and begin to identify the outcome of the program?
- Can I understand and identify objects that use technology?
- Can I recognise that a range of technology is used in the outside world?
- Can I begin to understand and identify objects that use technology?

R

- Can I use technology safely?
- Can I record using digital media?
- Can I follow a set of instructions?
- Can I record using digital media with support?
- Can I use technology safely?

N

- Can I follow a set of simple instructions?
- Can I name some items that use technology?