Technology in our lives

Year 5

- I can use text, photo, sound and video editing tools to refine my work.
- I can use the skills I have already developed to create content using unfamiliar technology.
- I can select, use and combine the appropriate technology tools to create effects that will have an impact on others.
- I can select an appropriate online or offline tool to create and share ideas.
- I can review and improve my own work and support others to improve their work.

Year 6

- I can tell you the Internet services I need to use for different purposes.
- I can describe how information is transported on the Internet.
- I can select an appropriate tool to communicate and collaborate online.
- I can talk about the way search results are selected and ranked.
- I can check the reliability of a website.
- I can tell you about copyright and acknowledge the sources of information that I find online.

E-safety

Year 5

- I protect my password and other personal information.
- I can explain why I need to protect myself and my friends and the best ways to do this, including reporting concerns to an adult.
- I know that anything I post online can be seen, used and may affect others.
- I can talk about the dangers of spending too long online or playing a game.
- I can explain the importance of communicating kindly and respectfully.
- I can discuss the importance of choosing an age-appropriate website or game.
- I can explain why I need to protect my computer or device from harm.
- I know which resources on the Internet I can download and use.

Year 6

- I protect my password and other personal information.
- I can explain the consequences of sharing too much about myself online.
- I support my friends to protect themselves and make good choices online, including reporting concerns to an adult.
- I can explain the consequences of spending too much time online or on a game.
- I can explain the consequences to myself and others of not communicating kindly and respectfully.
- I protect my computer or device from harm on the Internet.

Multimedia

Year 5

- I can use text, photo, sound and video editing tools to refine my work.
- I can use the skills I have already developed to create content using unfamiliar technology.
- I can select, use and combine the appropriate technology tools to create effects that will have an impact on others.
- I can select an appropriate online or offline tool to create and share ideas.
- I can review and improve my own work and support others to improve their work.

Year 6

- I can talk about audience, atmosphere and structure when planning a particular outcome.
- I can confidently identify the potential of unfamiliar technology to increase my creativity.
- I can combine a range of media, recognising the contribution of each to achieve a particular outcome.
- I can tell you why I select a particular online tool for a specific purpose.
- I can be digitally discerning when evaluating the effectiveness of my own work and the work of others.

Handling Data

Year 5

- I can use a spreadsheet and database to collect and record data.
- I can choose an appropriate tool to help me collect data.
- I can present data in an appropriate way.
- I can search a database using different operators to refine my search.
  I can talk about mistakes in data and suggest how it could be checked.

Year 6

- I can plan the process needed to investigate the world around me.
- I can select the most effective tool to collect data for my investigation.
- I can check the data I collect for accuracy and plausibility.
- I can interpret the data I collect.
- I can present the data I collect in an appropriate way.
- I use the skills I have developed to interrogate a database.

UKS2
Computing

Programming

Year 6

- I can deconstruct a problem into smaller steps, recognising similarities to solutions used before.
- I can explain and program each of the steps in my algorithm.
- I can evaluate the effectiveness and efficiency of my algorithm while I continually test the programming of that algorithm.
- I can recognise when I need to use a variable to achieve a required output.
- I can use a variable and operators to stop a program.
- I can use different inputs (including sensors) to control a device or onscreen action and predict what will happen.
  I can use logical reasoning to detect and correct errors in algorithms and programs.

Programming

Year 5

- I can decompose a problem into smaller parts to design an algorithm for a specific outcome and use this to write a program.
- I can refine a procedure using repeat commands to improve a program.
- I can use a variable to increase programming possibilities.
- I can change an input to a program to achieve a different output.
- I can use 'if' and 'then' commands to select an action.
- I can talk about how a computer model can provide information about a physical system.
- I can use logical reasoning to detect and debug mistakes in a program.
- I use logical thinking, imagination and creativity to extend a program.