Computing	Computing systems & networks	Year 2	Autumn 1

Key Knowledge

To recognise the uses and features of information technology	• I can describe some uses of computers • I can identify examples of computers • I can identify that a computer is a part of IT
To identify the uses of information technology in the school	• I can identify examples of IT • I can identify that some IT can be used in more than one way • I can sort school IT by what it's used for
To identify information technology beyond school	• I can find examples of information technology • I can sort IT by where it is found • I can talk about uses of information technology
To explain how information technology helps us	• I can demonstrate how IT devices work together • I can recognise common types of technology • I can say why we use IT
To explain how to use information technology safely	• I can list different uses of information technology • I can say how rules can help keep me safe • I can talk about different rules for using IT
To recognise that choices are made when using information technology	• I can explain the need to use IT in different ways • I can identify the choices that I make when using IT • I can use IT for different types of activities

Statutory requirements

- use technology purposefully to create, organise, store, manipulate and retrieve digital content
- recognise common uses of information technology beyond school
- use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies

Key vocabulary

Spelling	Definition
Computer system	A combination of **hardware** and **software** that can have **data input** to it, which it then **processes** and **outputs**. It can be **programmed** to perform a variety of tasks.
Hardware	The physical parts of a **computer system**
Output	The result of **data processed** by a **computer**
Output device	A piece of **hardware that** is controlled by **outputs** from a **computer**
Input device	A piece of **hardware** used to control, or send **data** to, a **computer**

Possible experiences

- Go on a technology hunt around your house and list anything you find
- Make a rules poster for using technology at home – sit down as a family and set some boundaries e.g. time limits, supervised websites
- Play on different games at home and have a look at the parent settings together
- Go for a walk around a town centre and spot all of the technological devices you can see

Printer - output

Speakers - output

Monitor - output