



Computing	Computing systems and networks – Sharing information	Year 5	Autumn 1
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Key Knowledge

To explain that computers can be connected together to form systems	<ul style="list-style-type: none"> I can describe that a computer system features inputs, processes, and outputs I can explain that computer systems communicate with other devices I can explain that systems are built using a number of parts
To recognise the role of computer systems in our lives	<ul style="list-style-type: none"> I can explain the benefits of a given computer system I can identify tasks that are managed by computer systems I can identify the human elements of a computer system
To recognise how information is transferred over the internet	<ul style="list-style-type: none"> I can explain that data is transferred over networks in packets I can explain that networked digital devices have unique addresses I can recognise that data is transferred using agreed methods
To explain how sharing information online lets people in different places work together – E-Safety	<ul style="list-style-type: none"> I can explain that the internet allows different media to be shared I can recognise that connected digital devices can allow us to access shared files stored online I can send information over the internet in different ways
To contribute to a shared project online	<ul style="list-style-type: none"> I can compare working online with working offline I can make thoughtful suggestions on my group's work I can suggest strategies to ensure successful group work
To evaluate different ways of working together online	<ul style="list-style-type: none"> I can explain how the internet enables effective collaboration I can identify different ways of working together online I can recognise that working together on the internet can be public or private

Statutory requirements

- design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
- use sequence, selection, and repetition in programs; work with variables and various forms of input and output
- understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration
- select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information
- use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact

Key vocabulary

Spelling	Definition
Input	Data that is sent to a program to be processed
Output	The result of data processed by a computer
Process	A program , or part of a program , that is running on a computer
Data	A letter, word, number etc. that has been collected for a purpose, but stored without context
Webpage	A HTML document viewed using a web browser

Possible experiences

- Make a rules poster for using technology at home – sit down as a family and set some boundaries e.g. time limits, supervised websites
- Work on a shared document with your friends outside of school, using the same website you used in your lesson.
- Create your own pretend webpage using a document (please see the diagram ->)

Create your own webpage

