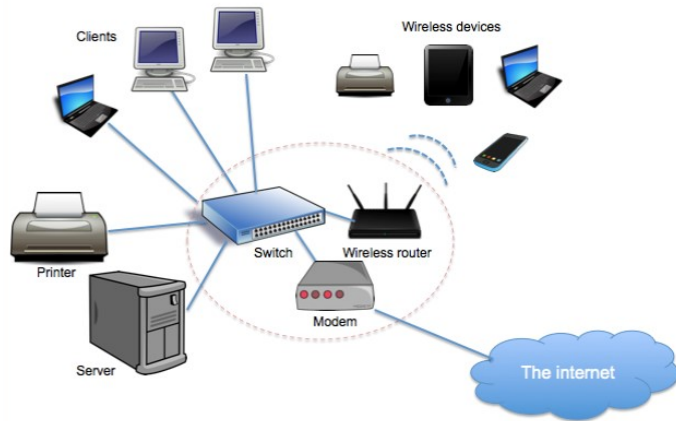


# Year 6: Computing and Online Safety

## Understanding Networks

In our school, we have a network. This contains all of the different hardware and software so that information can travel around to get to the client.



We can communicate and collaborate online by sending messages through apps, emailing, sending documents or working together on games.



## Web Navigation Skills

The screenshot shows a web page titled 'The Vikings'. Annotations include:
 

- Web page address:** points to the URL 'www.allaboutvikings.com'.
- Web page heading:** points to the title 'The Vikings'.
- Subheadings:** points to the sub-heading 'Who were the Vikings?'.
- A few diagrams/pictures:** points to an illustration of a Viking.
- Paragraphs of information:** points to the main text paragraph.

When you search for information online, programs called web crawlers search the World Wide Web for the most relevant websites.

Check to see if websites are secure and trusted with a green tick.



## Understanding Algorithms

Using your knowledge of algorithms, direct the monkey to collect the bananas. You need to think about which direction, how many steps, and how to avoid any obstacles.

If your code does not work, debug and try again.



## Vocabulary

binary	Codes computers use to show information.
bystander	Someone who watches others being bullied and does nothing to help.
client	A computer being used through a switch or server.
empathy	Understanding other people's emotions.
hardware	The computer's physical parts.
index	A list of information in order.
in-person bullying	Bullying in real life.
packets	Collections of data used to communicate with other computers.
rank	Put in order from most popular to least popular.
router	Directs information through the Internet.
server	Hardware that directs information to the switch.
specific outcome	Having a certain goal to aim for.
switch	A device used to connect other devices.
target	Something to aim for.
wi-fi	Connects devices without wires.

## Online Bullying

There are lots of different forms of bullying, and the more time you spend online, the more you will witness online bullying.

Online bullying has the same impact as in-person bullying. It makes people hurt, upset and scared.

Support those being bullied online by becoming an **upstander** rather than just being a witness, or bystander.



**BULLYING DOESN'T HAPPEN WITHOUT PEOPLE WHO ACT LIKE IT'S OKAY.**  
BE AN UPSTANDER. NOT A BYSTANDER.

CRC Article 29: All children have the right to be the best that they can be.  
CRC Article 19: All children have the right to be safe.

