



Be the best that we can be.



## Knowledge Organiser Computing Year 5

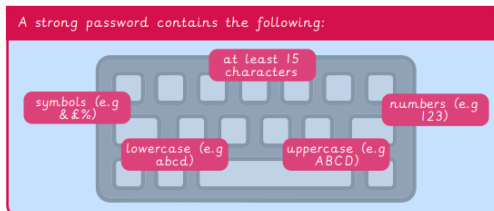
**Autumn 1**  
Online Safety

### What is online safety?

Online safety is about keeping yourself and your personal information safe when using the internet, apps, or digital devices. It involves knowing how to protect passwords, understanding safe communication, recognising online risks like bullying, and being aware of how technology can affect your health and well-being. By learning online safety, pupils can enjoy the benefits of the internet while avoiding dangers and making smart, responsible choices.

### Passwords and online protection

Passwords are secret codes that protect your accounts, apps, and personal information from being accessed by others. Strong passwords should be long, unique, and hard to guess, combining letters, numbers, and symbols. Apps and websites often ask for passwords, and many also request access to your photos, location, or contacts. Learning how to manage app permissions and keep passwords safe helps pupils control what information is shared and protects them from online risks.



### Communication and reputation

Online communication includes emails, messages, social media posts, and chats. While these tools allow people to stay in touch and share ideas, they can also be used in hurtful ways, such as cyberbullying. Pupils need to understand that everything shared online contributes to their online reputation, which is how others see them based on their activity. Thinking carefully before posting, being kind to others, and knowing who to ask for help ensures that communication remains positive and safe.

Any form of online communication can be misinterpreted. Text may be misread and emojis or memes could be misunderstood.



### Key vocabulary

algorithm, binary image, bit, bit pattern, CAD, compression file, CPU, data, digital image, encode, image, JPEG, memory computer, operating system, pixels, RGB

### Staying safe online

- Use strong passwords** – Make your passwords long, unique, and tricky to guess.
- Keep personal info private** – Don't share your address, phone number, or school name.
- Manage app permissions** – Only allow apps to access what's necessary.
- Think before you post and be kind online** – Ask yourself: "Would I say this in person?" and treat others the way you want to be treated.
- Recognise cyberbullying** – Block bullies and tell a trusted adult immediately.
- Take breaks from screens** – Balance online time with exercise, sleep, and offline hobbies.
- Protect your devices** – Use updates, passwords, and antivirus software.
- Check information carefully** – Not everything online is true; use trusted sources.
- Ask for help** – Speak to an adult if something online makes you feel upset, worried, or confused.
- Watch out for scams and adverts** – Don't click on suspicious links or pop-ups.
- Help others stay safe** – Encourage friends to follow these tips and report concerns.

### Useful websites:

Childnet -  
<https://www.childnet.com/help-and-advice/4-11-year-olds>

Be Internet Legends -  
[https://beinternetawesome.withgoogle.com/en\\_uk/interland/](https://beinternetawesome.withgoogle.com/en_uk/interland/)

CEOP Education -  
<https://www.ceopeducation.co.uk/>

