

Using codes

We know that:

- secret codes are used in computing
- there are all sorts of thing we don't want other people to know
- **data** stored on computers is encrypted so that people can't read it
- **substitution ciphers** replace each letter with another letter or symbol
- **substitution ciphers** are easy to break

Using codes

Read and then answer
questions on slide 2

When we turn **data** into a code we use a **cipher** to write the data in the code. This **encrypts** the data

Data which is **encrypted** can't be read unless you know the code

Encrypting data helps keep it secret

The **cipher** is the key to understanding the code. When you use the cipher to reveal the actual message you **decrypt** the code

Using codes

Create a **NEW** PowerPoint in your OneDrive – call it **codes**

Task:

1. List three types of data that people might want to keep secret
2. What does **cipher** mean?
3. What does the word **encrypted** mean?
4. Explain how a **substitution cipher** works
5. What is the main problem with using a substitution cipher?