Y6 – Computer systems and networks.

Code breaking key language

Term	Definition
Acrostic code	When the first letter of each line, word or paragraph spells out a code.
Brute force hacking	When someone tries to break a code using different methods e.g. trail and error.
Chip and pin	A type of payment system using a card containing a chip and a personal identification number (PIN).
Cipher	When information is written in a way that is secret and requires knowing the key to decode it.
Encrypt	Making a message impossible to read unless you know the key.
Password	A unique combination of letters, numbers and special character to protect data.
Trial and error	A method of trying to solve a code where if a method fails you try again with a different method.

Key outcomes

Outcome
To know that codes can be used for a number of different reasons.
To know how to make a password secure and how passwords work.
To know how to research historical information about computers and coding.
To know the importance of historical figures and how they have influenced computing.
To know how to debug code.
To understand how search engines work and use them safely.
To know how to decipher different codes.
To understand what brute force hacking is.

Types of codes

Acrostic code	Pigpen cipher
Caesar cipher	
Date shift cipher	
Nth letter cypher	
For In	Set