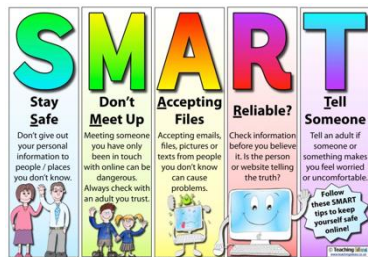


Key vocabulary

variable	a piece of information that will be used by the system but that could change
control technology	technology that needs controls and systems to make it work (e.g. traffic lights)
abstraction	hiding complex code from the user

online safety



Key knowledge

Coding can be used to meet a design brief for a customer. Customers don't need to know how the system works, just how to use it. An example of this is traffic lights; they have coding but the driver does not need to see it. This process is called **abstraction**.



Control technology uses programming to input algorithms to switches which then control physical motors and lights.

Variables can use measures of inputs (e.g. time passed, amount of light) to control an algorithm, for example lights will only come on when the room is dark.

