

Coding and E Safety

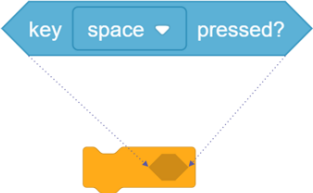
E Safety Key Knowledge

- create a secure password and screen name to protect my personal information.
- recognise how best to protect myself and others, including reporting concerns to an adult.
- communicate kindly and respectfully online.
- know that anything I post online can be seen, used and may affect others.
- know the consequences of spending too long online or playing videogames.

Read more:
Research more:

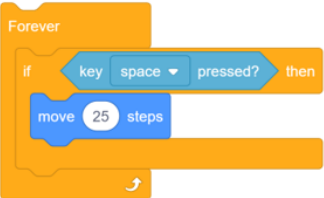
Coding Key Knowledge

This condition block needs to be used with other blocks to control the flow of actions.

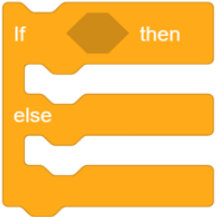


Condition blocks are all the same shape (a hexagon). The blocks that they are used with have a hexagonal space in them.

Conditions in programs



Selection will control outcomes



Read more -
Research more -

Coding Key Vocabulary	
selection	
condition	
flow	
outcomes	
algorithm	
infinite loop	

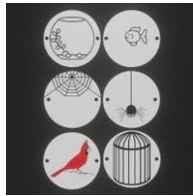
E-Safety Key Vocabulary	
digital footprint	
download	
cyber bully	
password	
netiquette	
social media	

Multimedia

Devices which can record
video and audio

Key vocabulary

video	recording, reproducing, or broadcasting of moving visual images
audio	music, sound effects and dialogue
thaumatrope	Using two illustrated sides of a disc, thaumatropes create the illusion of motion that seemingly have drawings blend into one.
zoetrope	an early form of animation technology
storyboard	a graphic representation of how your video will unfold, shot by shot.
record	convert (sound or a performance) into a permanent form.
device	a piece of mechanical or electronic equipment.



Key Knowledge

- Video is the recording, reproducing, or broadcasting of moving visual images and is made up of a sequence of images played back in quick succession, giving the illusion of movement.
- Videos are used to communicate with people, or to share a message, provoke an emotional response, record an event, educate or just to relax.
- We record videos so that we can access them later.
- Music, sound effects, dialogue (audio), light and colour can enhance a video experience.
- Filming techniques include static camera, zooming and pan and tilt.



- iPads/ tablets/laptops
- mobile phones



- digital camera

- DVD
- CD



- video recorder



Research and do more: [Adobe Animation Maker for Kids](#): An animation app for kids that combines the traditional elements of video editing software with powerful animation tool

Technology in our lives

Key Vocabulary

system	transform, store, transport, or control materials, energy, and/or information for a particular purpose.
connection	any technology connected to the internet or similar digital networks.
input	the signals or data received by the system.
output	the signals or data sent from the system.
digital	electronic technology that generates, stores and processes data.
sensor	a device that detects events or changes in its environment and sends the information, usually to a computer processor.
network	a group of two or more computers or other electronic devices that are interconnected for the purpose of exchanging data and sharing resources
protocols	Rules or agreed ways of doing things that the computer must follow.
IP address	The computer that a message is sent from or to

Key Learning

- Systems transform, store, transport, or control materials, energy, and/or information for a particular purpose and have different parts.
- digital tasks are managed by computer systems.
- messages can be sent across the internet and each computer has its own identifying address, called an IP address.
- The internet enables effective collaboration, even with others who are in different countries.

