



Objectives and Sticky Knowledge

Previous Knowledge:

- To explain that data gathered over time can be used to answer questions
- To use a digital device to collect data automatically
- To explain that a data logger collects 'data points' from sensors over time
- To recognise how a computer can help us analyse data
- To identify the data needed to answer questions
- To use data from sensors to answer questions



Land Objectives and Sticky Knowledge:

To explain that the composition of digital images can be changed and explain that colours can be changed in digital images.	To explain how cloning can be used in photo editing and explain that images can be combined.	To evaluate how changes can improve an image
1.I can improve an image by rotating it 2.I can explain why I might crop an image 3.I can use photo editing software to crop an image 4.I can explain that different colour effects make you think and feel different things	1.I can identify how a photo edit can be improved 2.I can remove parts of an image using cloning 3.I can experiment with tools to select and copy part of an image 4.I can use a range of tools to copy between images	1.I can review images against a given criteria 2.I can use feedback to guide making changes 3.I can combine text and my image to complete the project

Sea:

Links with 'freedom' Golden Thread

Links to CST and CKA Values:

Year 4 Computing Knowledge Organiser

Key Vocabulary

brightness	The level of darkness or lightness in a photo.
clone	The process of creating an exact copy of something. Cloning can be used to copy parts of an image.
contrast	The difference in the brightness or colours used in a photograph.
crop	The process of removing an unwanted area of a photo.
edit	To make changes to a photograph.
filter	A tool that allows you to change the appearance of a photo.
resize	To change the size of a photo.
retouch	To make small changes to a photograph to remove imperfections.
rotate	To turn a photo around a central fixed point. This can change the orientation of the photo.



Sky Objectives:

1. Use repetition in programs to aid in programming efficiency.
2. Select, use and combine a variety of software (including internet services) to design and create programs.
3. Help others to understand the importance of online safety and the range of ways inappropriate content and contact can be reported.

What Is Photo Editing?




Photo **editing** is the process of changing or enhancing the quality of a photograph. Digital photo **editing** software can be used to do this.

Why Is Photo Editing Important?

Photo **editing** allows us to improve a photograph and make it more fit for purpose. When we **edit** a photo, we can:

- improve the quality of the photo;
- remove any unwanted parts of the photo, such as objects in the background;
- fix any problems with **brightness** or **contrast**, making the photo more visible;
- remove any imperfections using filters.

