



CAROLINE HASLETT KNOWLEDGE ORGANISER COMPUTING

YEAR 3 SPRING 1 WE ARE METEOROLOGISTS

VOCABULARY

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| green screen | number on the side of the brush refers to the thickness, length, or width of the brush hair. |
| clip | small section of film. |
| data logger | a piece of equipment that captures data over a given period of time. |
| transition | a video effect used in between clips. |
| key | video effect where some of the picture of a film is removed and replaced with another |
| crop | remove sections of an image or video. |
| frame | allows you to see thumbnails of clips. |
| Credits | .names of those people involved in or related to your movie |



SKILLS

- Work with variables and various forms of input and output.
- Use logical reasoning to explain how some simple algorithms work.
- Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.
- Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.
- understand different measurement techniques for weather, both analogue and digital
- use computer-based data logging to automate the recording of some weather data
- use spreadsheets to create charts
- analyse data, explore inconsistencies in data and make predictions
- practise using presentation software and video.

KEY FACTS

Modern meteorology relies on computers. Weather stations collect data, sophisticated computer models create forecasts from this data, and TV weather programmes use computer graphics to present the forecasts. In this unit, the pupils will be using and combining a variety of software, which may include apps and internet services, to collect weather data, perform some analysis and evaluation, and then present the data in an appropriate way for their target audience.

If sensors are available, weather measurements can be input directly to the computer as digital data, with charts, maps and photos providing a variety of output.

