DCF - Year 5

Interacting and Collaborating

ELEMENT Communication

- show an understanding of the advantages and disadvantages of different forms of communication and when it is appropriate to use each, e.g. explain when video conferencing may be more appropriate than e-mail, and visa versa; explain the pros and cons of using instant messaging in social contexts; talk about purpose and audience.
- exchange online communication in one or more languages, making use of a growing range of available features, e.g. when e-mailing, use search function, manage contacts

ELEMENT Collaboration

- work with others to create an online collaborative project for a specific purpose in one or more languages, sharing and appropriately setting permissions for other group members, e.g. editing, commenting, viewing.

ELEMENT Storing and sharing

- back up files to a second or third storage device, e.g. removable storage device, network drive
- search for a specific file
- upload files from a local drive to online storage.

Producing

ELEMENT Creating

- combine a range of multimedia components to produce an appropriate outcome in one or more languages
- create, collect and combine a range of text, image, sound, animation and video for selected purposes

ELEMENT Evaluating and improving

- explain reasons for layout and content of own work, e.g. evaluate the presentation for audience and appropriateness
- comment on reasons for layout
- invite feedback/responses from others
- create groups and share work between them to allow review of work.

Citizenship

ELEMENT Digital rights, licensing and ownership

- cite all sources when researching and explain the importance of this, e.g. create simple lists for the referencing of digital and offline sources; discuss rights and permissions associated with this
- understand that photographs can be edited digitally and the rights and permissions associated with this.

ELEMENT Identity, image and reputation

- talk about the impact that the digital content created can have, e.g. think critically about the information shared online; be aware of appropriate and inappropriate text, photographs and videos and the impact of sharing these online
- explain why it is important to discuss their use of technology with an adult, e.g. discuss aspects of positive and negative reputation
- create and use secure passwords, e.g. apply characteristics of strong passwords.

ELEMENT Online behaviour and cyberbullying

- demonstrate appropriate online behaviour and apply a range of strategies to protect themselves and others from possible online dangers, bullying and inappropriate behaviour, e.g. turn off comments on digital media, block users; know how to deal with and report inappropriate content and misuse.

ELEMENT Health and well-being

- understand how and why photographs can be altered digitally.
- understand the advantages, disadvantages, permissions and purposes of altering an image digitally

Data and Computational Thinking

ELEMENT Data and information literacy

- explore and analyse data sets, highlighting relationships within them

ELEMENT Problem solving and modelling

- design simple sequences of instructions (algorithms) including the use of Boolean values (i.e. yes/no/true/false), e.g. within the algorithm, demonstrate the correct use of Boolean values giving an either/or response

ELEMENT Planning, sourcing and searching

- adjust keywords and search techniques to find relevant information; begin to reference sources used in their work; consider if the content is reliable, e.g. find information using accurate terms, use a range of sources to check validity and understand the impact of incorrect information
- create a written plan using a template provided