CARES Curriculum: Computing

Creating Media Progression Map KS1

National Curriculum

Pupils should be taught to:

- use technology purposefully to create, organise, store, manipulate and retrieve digital content
- recognise common uses of information technology beyond school
- use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.

Y1 Digital Writing

Vocabulary

Word processor, keyboard, keys, letters, type, numbers, space, backspace, text cursor, capital letters, toolbar, bold, italic, underline, mouse, select, font, undo, redo, format, compare, writing

Skills

- use letter, number, and space keys to enter text into a computer
- use punctuation and special characters
- use the Backspace key to remove text
- position the text cursor in a chosen location
- use Undo
- select text
- change the appearance of text on a computer

Knowledge

- a keyboard is used to enter text into a computer
- Shift key changes the output of a key
- text can be changed and edited
- the appearance of text can be changed
- consider the impact of choices made

Y2 Digital Photography

Vocabulary

Device, camera, photograph, capture, image, digital, landscape, portrait, framing, subject, compose, light sources, flash, focus, background, editing, filter, format

Skills

- capture a digital image
- take photographs in both landscape and portrait format
- view photographs on a digital device
- decide which photographs to keep
- hold the camera still to take a clear photograph
- use zoom to change the composition of a photograph
- consider lighting before taking a photograph
- improve a photograph by retaking it
- use filters to edit the appearance of a photograph

Knowledge

- some digital devices can capture images using a camera
- talk about how to take a photograph
- photographs can be saved and viewed later
- make choices when composing a photograph
- recognise features of 'good' photographs
- how a photograph could be improved
- explain the effect of light on a photograph
- photographs can be changed after they have been taken
- some images are not accurate

Creating Media Progression Map LKS2

National Curriculum

Pupils should be taught to:

- 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
- use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.

Y3 Desktop Publishing (DTP)

Vocabulary

Text, images, communicate, font, font style, communicate, template, landscape, portrait, orientation, placeholder, layout, content, desktop publishing, copy, paste, purpose

Skills

- Change the page orientation
- organise text and image placeholders in a page layout
- add and remove images to and from placeholders
- add text to a placeholder
- edit text in a placeholder
- move resize and rotate images
- choose fonts and apply effects to text
- review a document

Knowledge

- text and images can be used together to convey information
- define landscape and portrait as two different page orientations
- different layouts can suit different purposes
- DTP pages can be structured with placeholders
- different font styles and effects are used for particular purposes
- consider the benefits of using a DTP application

Y4 Photo Editing

Vocabulary

Image, edit, digital, crop, rotate, undo, save, adjustments, effects, colours, hue, saturation, sepia, vignette, retouch, clone, select, copy, paste, combine, made up, real, composite, cut, alter, background, foreground, rotate, crop, zoom, undo, font

Skills

- use an application to change part/the whole of a digital image
- use an application to add to the composition of a digital image
- select part of a digital image
- apply effects/filters to a digital image
- adjust colours of a digital image
- change the composition of a digital image by rotating, flipping and cropping
- use clone, copy, and paste to change the composition of a digital image
- use cloning to retouch a digital image
- add text to a digital image

Knowledge

- digital images can be manipulated
- digital images can be changed for different purposes
- the most appropriate tool for a particular purpose
- consider the impact of changes made on the quality of the image

Creating Media Progression Map UKS2

National Curriculum

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Y5 Vector Drawing

Vocabulary

Vector, drawing tools, object, toolbar, object, move, resize, colour, rotate, duplicate, zoom, select, align, modify, layers, order, copy, paste, group, ungroup, reuse, reflection

Knowledge

- a vector drawing comprises separate objects
- each
- object in a drawing is in its own layer
- vector
- images can be scaled without impact on quality
- objects can be modified in groups
- alignment and size guides can help create a more consistent drawing
- consider the impact of choices made

Skills

- add an object to a vector drawing
- select one object or choices made multiple objects
- delete/modify/reposition objects
- duplicate objects using copy and paste
- move objects between the layers of a drawing
- group and ungroup selected objects
- combine options to achieve a desired effect
- create a vector drawing for a given purpose

Y6 Webpage Creation

Vocabulary

Website, web page, browser, media, **Hypertext Markup Language (HTML),** website, logo, layout, header, media, purpose, copyright, fair use, home page, preview, evaluate, device, Google Sites, breadcrumb trail, navigation, **hyperlink**, subpage, evaluate, external link, embed

Skills

- review an existing website (navigation bars, header)
- create a new blank web page
- add text to a web page
- change the appearance of text
- set the style of text on a web page
- embed media in a web page
- preview a web page (different screen sizes)
- add web pages to a website
- insert hyperlinks between pages/to another site

Knowledge

- the relationship between HTML and visual display
- web pages can contain different media types
- web pages are written by people
- website is a set of hyperlinked web pages
- components of a web page layout
- the ownership and use of images (copyright)
- the need to preview pages (different screens / devices)
- the need for a navigation path
- the implications of linking to content owned by others