



Digital Learners



Engineers



Global Enquirers



Designers

ASHINGTON
LEARNING
PARTNERSHIP



Healthy Citizens



Sustainability Ambassadors



Cultural Explorers



Careers



Digital Learners

Medium Term Plan Digital Learners

Using the K,S,U you have learnt in this unit, how can I use technology to create, store and retrieve my ideas?



Digital Learners

Aspect of Study

IT – creating digital content

Transferable Knowledge:

Using technology to share ideas

A high-quality computing education equips pupils to use computational thinking and creativity to understand and change the world. Computing has deep links with mathematics, science and design and technology, and provides insights into both natural and artificial systems. The core of computing is computer science, in which pupils are taught the principles of information and computation, how digital systems work and how to put this knowledge to use through programming. Building on this knowledge and understanding, pupils are equipped to use information technology to create programs, systems and a range of content. Computing also ensures that pupils become digitally literate – able to use, and express themselves and develop their ideas through, information and communication technology – at a level suitable for the future workplace and as active participants in a digital world.

During this area of study students should be taught to:

Use technology purposefully to create, organise, store, manipulate and retrieve digital content

It is expected that pupils will continue to develop their skills, understanding and a portfolio of digital content over the remainder of the school year. Pupils should be given the opportunity to use a range of applications, apps and programs in order to create, store and retrieve their work. Purple Mash is available on the iPads via the web browser *If possible pupils should be logging on to Fortinet, then opening Siri and accessing Purple Mash from there as there are a lot of apps that can be very useful. Pupils can then save their work in their own "My Work" folder and could also open previous work. The more practice pupils have of connecting to internet and accessing PM the better.* There are a number of apps installed on the iPads that can be used to create and manipulate digital content including 2Create, Puppet Pals, Pic Collage. Example SOW for presenting and making music using Purple Mash are in the Year 2 folder. Keynote can be used on the iPads to create presentations and within the Pages app there are templates for newsletters and leaflets.

To access Purple Mash pupils will need to log on to the internet and then access through safari web browser.

The range of activities given below are examples of how this unit can be delivered and staff may wish to choose most appropriate ones for their topic or content at the time of delivery.



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Careers Pathfinders



Substantive Knowledge (subject-specific)

How to:

- Add text box and photo to PicCollege
- Access the internet by logging into Fortinet
- Open an app in Purple Mash
- Use paint tools to draw a picture in a Purple Mash app
- Add text, edit text in Purple Mash
- Save work in specific folder

Disciplinary Knowledge?

- Independently open apps to create digital content
- Able to take photographs and include in another program/app



Real World Links:

Using technology to share their ideas
Developing skills in using different software



Opportunity for Skills for Life - linked to progression framework.

Influential Figures

OPAL links

Links to opportunities linked to OPAL

Curriculum Coverage

(Previous, expected and what follows on)

Prior National Curriculum Coverage	National Curriculum Coverage	Subsequent National Curriculum Coverage
Use technology purposefully to create digital content.	Use technology purposefully to create, organise, store, manipulate and retrieve digital content.	With support select and use a variety of software to accomplish goals

Key vocabulary	Concepts	Language skills
save create insert edit Pic collage App open library store	Apps can be used for fun but also to share your ideas If work is saved correctly it can be opened again to use or change at a different time	



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Sequence of Teaching and Learning

	National Curriculum LO/EQ?	Lesson ideas/differentiation
1	<p>NC: Use technology purposefully to create, organise, store, manipulate and retrieve digital content</p> <p>L.O. To be able to share ideas using Pic Collage</p>	<p>Memory recall: Who has taken photographs using a mobile phone or tablet before? Should we share photographs with people we do not know?</p> <p>Use pic collage to take photographs of their work in their topic lesson. Pupils can then use PicCollage to present evidence of how they were completing their task. They could add text to given an explanation of what they were working on or skills they used.</p> <p>Pupils could work in pairs with each taking a turn to take photographs. Teacher can take photos of children's pic collage or if pupil iPads are connected to wifi then the PicCollage file can be sent to teach iPad via "air drop".</p> <p><i>(Expected end point: Pupils should be able to take photograph and insert this into an app, resize and add a text box. The PicCollage file should be saved to the library. A selection could be printed for floor book or teacher could take photographs of pupils working and put this in floor book)</i></p>
2	<p>NC: Use technology purposefully to create, organise, store, manipulate and retrieve digital content</p> <p>L.O. To be able to create a drawing using technology</p>	<p>Memory recall: How did we use an iPad to record our work in previous lesson?</p> <p>Use Purple Mash range of art and creative applications, such as simple drawing app, to choosing a template and using different tools to colour in. Examples are:</p> <p>2Paint a Picture, gives pupils the opportunity of using different tools to create an image. There is also the option of choosing different types of painting such as impressionism, oils, water colours and poly-mosaic.</p> <p>Pupils could also create an image using the app 2Create and add accompanying text.</p> <p><i>(Expected end point: Pupils should be able to use different tools to create an image – this could be changing size of brush or pen, changing colour, editing drawing by using the rubber. Evidence for floor books - photographs of pupils working, using the tools. Pupils should save their work into class folder and teacher can access these to print off and put selection in books)</i></p>



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Sequence of Teaching and Learning

	National Curriculum LO/EQ?	Lesson ideas/differentiation
3 & 4	<p>NC: Use technology purposefully to create, organise, store, manipulate and retrieve digital content</p> <p>L.O. To add images and text to create a story To add animation to a story To add sound to a story including voice recording To add a background to a story Explore how ideas can be presented in different ways</p>	<p>Memory recall: This depends on what app pupils used in previous lesson, but question for recall could be linked to – how did they make a brush bigger in app? how did they add text?</p> <p>Use Story Creator/Book Creator app on iPad or 2Create a Story app on purple mash to write a story - or facts about chosen topic</p> <p>Create a mind map, a fact file etc about chosen topic. These are all available on Purple Mash.</p> <p>Working in a group, write a short script to and video themselves explaining what they have been doing in their topic or recounting facts etc.</p> <p><i>(End point - this depends on the app being used however you should expect to see evidence of pupils meeting the objective (with support if required). The work should be saved in purple mash and samples could be put into floor book.)</i></p>
	<p><i>If possible pupils should be logging on to Fortinet, then opening Siri and accessing Purple Mash from there as there are a lot of apps that can be very useful. Pupils can then save their work in their own "My Work" folder and could also open previous work.</i></p> <p><i>The more practice pupils have of connecting to internet and accessing PM the better as they will then become quicker if they use TTR, Mathletics or can access School 360</i></p> <p><i>Sometimes at Bothal you need to click on Settings, then wi-fi connect to ALP BOYD, this will then open the Fortinet app login page.</i></p>	