



## Medium Term Plan Digital Learners – Computing

Using the K,S,U you have learnt in this unit, how could you use technology to record your ideas?



### Aspect of Study

Creating digital content

### Transferable Knowledge:

Build confidence and independence using technology in school

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:

Recognise common uses of information technology in the home and school environment  
Use technology purposefully to create digital content

Pupils will be developing their understanding of what technology is and what types of technology might be used in school and in the home. Using iPads to create digital content through taking photographs, writing a story using 2Create a Story and drawing pictures. Further opportunities to develop skills through using video to record each other, music apps, Puppet Pals 2 or Pic College to collect and display images. **2Create a Story is an app on the iPad. It is part of Purple Mash but does not require pupils to log onto internet.**

Examples of floor book evidence are located in “Good practice examples” folder

[https://drive.google.com/open?id=1fUpl-o20n7Yr\\_5oTjfaATPfSFd6EQnb](https://drive.google.com/open?id=1fUpl-o20n7Yr_5oTjfaATPfSFd6EQnb)



Digital  
Learners



Engineers



Global  
Enquirers



Designers

ASHINGTON  
LEARNING  
PARTNERSHIP



Healthy  
Citizens



Sustainability  
Ambassadors



Cultural  
Explorers



Careers  
Pathfinders

### Substantive Knowledge (subject-specific)

Types of technology that can be found in the home and in school.

Creating digital content through using different apps.

### Disciplinary Knowledge?

### **Real World Links:**

Developing pupils understanding that technology is part of everyday life in and out of school.

Pupils develop confidence and become more independent in using technology as a way of recording their ideas.



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
	<p>Recognise common uses of information technology in the home and school environment</p> <p>Use technology purposefully to create digital content</p>	<p>Year 2:</p> <p>Recognise common uses of information technology in the wider world</p> <p>Use technology purposefully to create, organise, store, manipulate and retrieve digital content</p>

Key vocabulary	Concepts	Language skills
information technology computer camera screen create		



## Sequence of Teaching and Learning

	National Curriculum LO/EQ?	Lesson ideas/differentiation
1	<p>NC: Recognise common uses of information technology</p> <p><b>L.O. I can find examples of technology being used in school</b></p>	<p><b>Recall Quiz: What should we do if we are worried about something we see on a tablet, game or tv?</b></p> <p>Link this to how when we talk about being safe online we mean when we are playing on games, watching videos etc on tablets, computers or even phones. Share Knowledge Organiser with class and discuss.</p> <p><b>What is technology? – can we see it in the classroom? Where else can we see it in school?</b> Suggest pupils work in small groups to take photographs on ipad where they see technology in school – pcs, whiteboards, iPads, calculators, finger print scanner for dinner hall , tv, printers . A selection of photographs are stored in unit folder that could be printed for pupils too look at and even take photos of so they are capturing their ideas using iPad.</p> <p><i>(Expected by end of lesson - pupils are able to give examples of technology in the classroom and that they may have seen around school. Evidence in floor books - photographs of children taking photos, photos taken by children printed and put in books, teachers could scribe pupil answers or pupils could write in a speech bubble types of technology they have seen - supported as required)</i></p>
2	<p>NC: Recognise common uses of information technology</p> <p><b>L.O. I can give examples of technology being used in our home</b></p>	<p><b>Recall quiz: What different types of technology do we use in school?</b></p> <p>Pupils are going to look at technology used in the home. There is an accompanying ppt and a set of photographs in the unit folder which can be printed and placed on desks (depending on preference) – <b>The set of photographs pdf has more examples than the ppt and some of these are not applicable to “the home” however there are more examples of home technology in the pdf than on the ppt.</b> . Pupils could look and identify which ones they have in their own home or they have seen at a relatives house – and what they are used for.</p> <p><i>(Expected by end of lesson - pupils are able to give examples of technology in the home. Evidence in floor books - photographs of pupils sorting photographs, pupils could try to draw tablet, tv, washing machine etc Could have storyboard template with mini photographs that pupils could stick in boxes)</i></p>





## Sequence of Teaching and Learning

	National Curriculum LO/EQ?	Lesson ideas/differentiation
<b>3</b>	<p>NC: Use technology purposefully to create digital content</p> <p>L.O. I can create a story using technology</p>	<p><b>Recall quiz: What different types of technology do we use in school?</b></p> <p>Pupils are going to use 2Create a Story to create their own (could be paired or small group with each pupil creating one page) digital content - this could be a short story with drawings to match or something linked to the current Theme topic.</p> <p>It is advised that pupils be given a paper template to think about what they want to draw and write before they begin the work. This could be done as a "planning lesson" linked to literacy prior to the booking of the iPads.</p> <p>Use Apple Tv to demonstrate how to use the app. Pupils work can be photographed using teacher iPad for evidence for floor book.</p>
<b>4</b>	<p>NC: Use technology purposefully to create digital content</p> <p><b>L.O. I can create an animation using Puppet Pals 2</b></p> <p>or</p> <p><b>L.O. I can share ideas using a video</b></p>	<p><b>Recall quiz: Can you give 5 examples of technology that we might see either in school or at home? Extra challenge: what technology might we use in school and at home? (tablets, laptops, washing machines, cookers, microwaves – in school kitchen for example)</b></p> <p>Pupils can create a short animation using Puppet Pals 2 or could work as a group to share ideas through recording a video. This could be linked to Theme topic or Science or discussing different types of technology they have seen in school or at home.</p> <p><b>Opportunity to use a lesson prior to plan – this could be linked to literacy and gives pupils opportunity to think about their ideas rather than launching straight into using iPads. Teacher could demonstrate how to use Puppet Pals 2 during planning lesson. (modelling – supports memory recall in next lesson)</b></p>