



## Computing Medium Term Plan- Autumn Term 1 Y1



### Online Safety and Exploring

Unit Outcome – To understand how to use a computer and operate a basic programme.

Date	Objective (s)	Task/activity	Resources	Key Vocabulary	Learning Outcome
Lesson 1	<p><u>NC objective:</u> Use technology safely and respectfully Use technology purposefully to manipulate and retrieve digital content</p> <p><u>Learning Objective</u> I can switch on and shutdown a computer. I can use a computer mouse. I can launch an application and manipulate it.</p>	<p><u>Main Teaching</u> Look at and name different parts of the computer. Demonstrate how to turn on computer correctly. Look at mouse and different sides that can be clicked on, which side do we need to use normally?</p> <p><u>Differentiated Activities</u> Children to use a range of applications - busy things etc label a computer</p> <p><u>Challenges</u> Can you save your work?</p>	computer	screen, keyboard, monitor, mouse, keys, power button, desktop, icon, select, pointer, program, launch, application, technology	<p>To turn on and off a computer correctly. To use a mouse. <u>To open a programme and use it.</u></p>
Lesson 2	<p><u>NC objective:</u> To use technology safely</p>	<p><u>Main Teaching</u> Before giving the logins out to the children, talk</p>	Individual login cards for the	purple mash, avatar, icon,	To login safely with their own

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	<p>and respectfully, keeping personal information private. To use technology purposefully to create, organise, store, manipulate and retrieve digital content</p> <p><u>Lesson objectives:</u> I can login and talk about why keeping my details safe is important. I can save my work in my folder.</p>	<p>to them about Purple Mash and how it is their own space for working and saving what they do. Demonstrate how to login using your teacher's login and how important it is that you keep your login safe and don't give it to anyone else to use. Explain why the password comes out as '*s if you type and why you wouldn't tell the children your password. Give all the children their own login cards with picture passwords. Discuss what children should do if they find someone else's login card? Talk about keeping their login details safe. Start to get children to think about what someone with bad intentions could do if they logged in as you e.g. spoil your work. The idea is to get children thinking about private and personal information and protecting this. Let the children log in. Now, show the children the Avatar you have created and talk to them about why it's useful to have a picture that looks like you when you have logged in and how helpful it is for the teacher to see that it is you. Also, briefly touch on why people use avatars rather than their own photos: because when you start to use computers to communicate with people that you might not know personally, it is safer</p>	<p>children. These can be made using the Print Pupils Login icon in the Admin section. Purple Mash Avatar creator; this is opened by clicking on the user portrait near the top right of the screen. Create your own avatar in advance for showing to the children.</p>	<p>click, shift key, password, private, login,</p>	<p>logins and understand why that is important. To save their work to their My Work area and understand that this is their space.</p>
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not to use photos. Show the children how to create their own avatar, let them have a try with some of the random pictures and then let them make an avatar which looks like them.

#### Differentiated Activities

Create an avatar with support if needed.

Paint projects -Children to select a paint project to complete. Show the children how to add their name to the picture just as they would if they were painting a picture with paints..

Show children how to write a capital letter using the shift key. Talk to the children about their picture: they have created it and it belongs to them. Talk to the children about the name they are going to give their piece of work to save it.

Remind them that this work belongs to them and only they and their class teacher will be able to see the piece of work when they log in to Purple Mash. Show the children how to save their picture using the Save icon and put it in the My Work folder. Remind them that the 'keeping logins safe' rule

Simple tool kits used for some children.

#### Challenges



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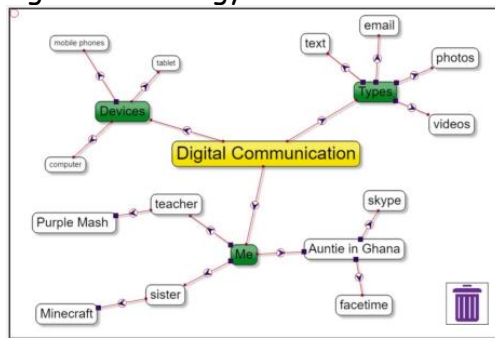
<p>Lesson 3</p>	<p><u>NC objective:</u> To use technology purposefully to create, organise, store, manipulate and retrieve digital content. To use technology safely and respectfully, keeping personal information private.</p> <p><u>Lesson objectives:</u> I can open my work. I can use the search and message function.</p>	<p><u>Main Teaching</u> Leave a simple comment or picture on the pieces of work that the children created in Lesson 1. Remind the children how to log in and to keep their login details safe. Show the children the Online Work section and use your teacher login to show them how you can see all the children in the class. Can the children spot their own name in the list? It is important that the children know that only the teachers can do this and it's just like being able to see all the children's books in the class . Let the children look inside their own Work folder. Can they find the picture that they created in the last lesson? If they move over the picture, can they read a message or see an emoji that the teacher has left for them? Show the children the alert which should have appeared on the bell beside their avatar on the home page. This alert is called a notification. Explain that this number shows that they have been left a message by the teacher and they will see this when they log in to Purple Mash. Only the teacher can send them a message, so it's OK to go and look to see what the message is. Explain</p>	<p>You will need to have searched for some topics which you want the children to search for as part of this lesson. Linked to topic</p>	<p>notification, alert, emoji, communicate, messages,</p>	<p>To learn how to find their saved work in the Online Work area. To learn that the teacher can leave them a message, and how to find it. To learn how to search Purple Mash to find resources.</p>
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how Purple Mash can be used to help teachers and children communicate about their work. Some tools in Purple Mash allow the whole class to connect and work on one file. On the whiteboard open the 2Connect tool. Use this to record children's discussion of the following:

- Forms of digital communication; perhaps their parents have phones and they know that messages can be sent.
- Types of communication; messages could be text, images and video.
- Own experience; discuss children's own experience of digital technology for communication.



Explain that now, we are going to look for lots of other things that they can do on Purple Mash. Show the children how to go to the home page of Purple Mash. Discuss what 'home page' means. Then direct them towards the Search bar. Give the children some words to search for - 'food',



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'pets', 'trees' - and let them see what happens when they search for words. What do they find? Can they find another picture they would like to create? Once the children have created their picture and saved it in their My Work folder, bring them back together. Open a paint file and show them that when they click on the Save button, they can also see a class folder with their class name. This is a shared folder that everyone in the class can use. This means that everyone in the class can open and change the work in this folder. Does that mean that you can change another person's work without asking them? Do you draw in other people's books or on their pictures? Do you sometimes do work together and both work on the same thing? Ask the children to open a picture they have done (or a new picture) and then save their work into the shared folder. Discuss not all using the same name when sharing work to the shared folder. Remind the children that only the teachers and children in their school can use their school's Purple Mash. If a friend of theirs uses Purple Mash in another school, they will have their own school Purple Mash just for them.

#### Differentiated Activities

Search for words related to topic/literacy.



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		<b>Create a picture linked to this</b>			
		<u>Challenges</u>			
Lesson 4	<p><u>NC objective:</u> To use technology purposefully to create, organise, store, manipulate and retrieve digital content.</p> <p><u>Lesson objectives:</u> I can add pictures and text to my work.</p>	<p><u>Main Teaching</u> Tell the children that they are going to look at a section on Purple Mash called Topics. The Topics section is where they can find lots of resources all about the topics they are doing in class. Show the children the Topics section on the whiteboard and look for some of the topics which the children may have previously talked about, Go to a topic linked to children's learning and show the children all the different resources they could use: Writing Templates, 2DIY quizzes, Mashcams and Paint Projects. 4Launch the writing project, 'Animal Needs', and show the children what the writing template looks like. Show the children the picture box areas. Clicking on these will open the paint tools to draw a picture but you can also add a picture from the photo gallery using the plus sign . Show the children the text box areas. If you click on a text box, you can type. Clicking on the in the top toolbar will open a menu where you can change the font size and other text options.</p>		topics, template, resources, tools, font, toolbar, text box, text, photo gallery, menu,	To start to add pictures and text to work.



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		<p>Show the children how to use the Think About prompts and word bank to help them. Clicking on a word will make a sentence starter appear in the textbox for them. Hovering over the word will give some suggestions of things to write.</p> <p><u>Differentiated Activities</u></p> <p>Children to create their own writing project adding pictures and text.</p> <p>Remind children how to save work.</p> <p><u>Challenges</u></p> <p>Use a range of punctuation, looking at how to use the shift keys.</p>			
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<p>Lesson 5</p>	<p><u>NC objective:</u> To use technology purposefully to create, organise, store, manipulate and retrieve digital content. To use technology safely and respectfully, keeping personal information private.</p> <p><u>Lesson objectives:</u> _I can recognise and use a range of icons.</p> <p>I know why it is important to log out when I am finished.</p>	<p><u>Main Teaching</u> Tell the children that they are going to explore some of the other tools on Purple Mash to find out what some of them can do. Ask the children to log in, go to Tools section and launch 2Count. Show the children how to add and subtract the number of cars on the pictogram by clicking the - and + purple buttons. Show the children how to change to a different topic by clicking on the icon. Let the children choose a different topic for their pictogram. Remind the children how to save and open their work using the Open and Save icons. Show the children how to print out their work using the Print icon. Show the children how to exit the program and explain that the following message will remind them to save their work if they haven't already done so. Exiting will take them back to the Tools page. Ask the children to launch 2Explore. They will need to scroll down to the Music and Sound section. Look at the icons across the top: New File, Open and Save. Can the children remember what each icon is for? Try the New File icon; what happens? The children should see a range of new instruments in the same way as they saw the new topic in 2Count. Let the children</p>	<p>headphones</p>	<p>tools, add, subtract, pictogram, icon,</p>	<p>To learn about the common icons used in Purple Mash for Save, Print, Open, New.</p> <p>To understand the importance of logging out when they have finished.</p>
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explore the different musical instruments, then show them how to record and play back the sounds that they created. Introduce the children to two new icons. Let the children try creating and recording different sounds, save them and play them to their friends. When the children have finished all their activities, show them how to log out of Purple Mash and talk to them about why they think this is important. Why would you not want to let someone use your Purple Mash login?

#### Differentiated Activities

pictogram using 2count

create and record using different instruments.

#### Challenges