



SUBJECT MEDIUM TERM PLANNING - SUBJECT			
Year Group: 1	TERM: Autumn Term 1		Theme: Technology Around Us
unambiguous instructions • Create and debug simple programs • Use logical reasoning to predict the behavio • Use technology purposefully to create, orgo • Recognise common uses of information tech	our of simple programs anise, store, manipulate and nnology beyond school ping personal information pr	retrieve digital content	nd that programs execute by following precise and go for help and support when they have concerns
Context: - Children will develop their understanding of technology and how it can help them. They will become more familiar with the different components of a computer by developing their keyboard and mouse skills, and also start to consider how to use technology responsibly.	Concepts: Information technology &	Computer Skills	Vocabulary: technology, man-made, digital, computer, mouse, keyboard, screen, trackpad, double click, typing, online information, trusted adult
 Prior Knowledge: No prior knowledge is assumed at this stage. 		 beyond (Year 2) Select, use and co a range of digital systems and conte 	how its responsible use improves our world in school and mbine a variety of software (including internet services) on devices to design and create a range of programs, ent that accomplish given goals, including collecting, cing and presenting data and information (KS2)

End points /by the end of this unit pupils will...

- B able to explain that technology is something that can help us.
- Be able to identify examples of technology.
- Be able to choose a piece of technology for a job.
- Be able to identify the main parts of a computer.
- Be able to use a mouse in different ways.
- Be able to use a keyboard to type.
- Be able to use technology safely.
- Be able to explain why rules are needed when using technology.
- Be able to manage online information safely and respectfully.

Lesson Number - 1		
 Key learning: to identify technology. Success Criteria: I can explain technology as something that helps us I can locate examples of technology in the classroom I can explain how these technology examples help us 	Concepts: Information technology Suggested resources: Flip chart Pictures and real life examples of types of technology.	Lesson Number - 1 Lesson structure: Introduction, direct teaching, activities, key questions Engage: Ask children the question "What is technology?" Introduce: Share some examples of technology in the classroom (or use physical objects), for example: Desktop computer, Laptop computer, Pencil, Mobile phone, Pencil sharpener (manual, electric, or both), Scissors Q – What is the purpose of each type of technology? Use the sentence stem "It helps us to" Introduce definition of technology - technology is something which has been made by people to help us. The distinction between 'natural' and 'made by people (= manufactured)' is important. For example, a guide dog helps people, but it has not been made by people, so it is not technology. Technology can be electronic or not. Use a variety of examples during the lesson. P&C – Task 1 Decide if pictures are technology or not technology.
		<u>P&C – Task 1</u>

	Deepen Explain that the learners need to write or draw an example of technology which would help them to do the stated sentence. For example, learners may draw a car which helps them get to school.	
	Reflection	
	Show different types of technology (electronic and not). Ask what some of them have in common. Ask	
	whether any items are computers.	
Vocabulary: technology, computer, natural, man-made, digital		

Lesson Number - 2		
Key learning: To identity a computer and its main parts. Success Criteria:	Concepts: Information technology Computer Skills Suggested resources:	Lesson structure: Introduction, direct teaching, activities, key questions Engage: Recap what technology is.
 I can name the main parts of a computer I can switch on and log into a computer I can use a mouse to click and drag 	Flipchart Chromebooks Access to <u>ncce.io/drag</u> Kahoot quiz (for reflection)	 Q - What does the word technology mean? Introduce: Introduce different parts of a computer / laptop – screen, keyboard, mouse, base unit (computer only – not laptop). P&C Show pictures of both computers and laptops (or use real life examples) with a part circled. Give children opportunity to think, pair, share before giving answers on what the part is and what it does. Q – What is the name of this part? Q – What does this part do?

	Children to turn on and log into Chromebooks.
	Open up web browser and search for <u>ncce.io/drag</u>
	Explain that each task gets progressively harder.
	Support the learners with opening a web browser and accessing the URL. Learners may not complete this activity in its entirety. If the learners are working in pairs, ensure each partner gets to practise their clicking and dragging skills.
	Scaffolding opportunity: Break down the steps of switching on and logging into the computer. Encourage learners using trackpads to use both hands (one hand to hold down the button and the other to drag.
	<u>Reflection</u> Ask children if they can remember the different parts of a computer (use a Kahoot quiz?)
Vocabulary: computer, mouse, track	pad, keyboard, screen, technology

Lesson Number - 3		
Key learning: To use a mouse in different ways.	Concepts: Information technology Computer Skills	Lesson structure: Introduction, direct teaching, activities, key questions <u>Engage:</u>
 Success Criteria: I can use a mouse to 	Suggested resources: Flipchart	Recap the names of each part of a computer and what it does.
open a programI can click and drag to	Chromebooks	Q - Can you name the parts of a computer?
make objects on a screenI can use a mouse to	Access to <u>Paintz.app</u>	Introduce:
create a picture		 Explain that the learners will be using a computer mouse/trackpad to create a picture. Invite learners to explain how images of mouse / trackpad are similar / different. Responses should include: Some have wires, some don't Some have buttons, some don't

 Some are part of the computer, others are connected to it
Even though each device looks different, they perform the same function.
<u>P&C</u>
Opening up a program using a double dich action
Opening up a program using a double click action.
Practice tapping / clapping the double click action – check the speed that children are doing this.
Model with a mouse / track pad on chromebooks.
Madel and the second
Model opening up browser using double click. Model typing in paintz.app to search for web page. (Or if
on chromebooks click on the paintz.app icon at the bottom).
Children to complete those 2 tasks.
children to complete mose 2 tusks.
Independent
Model in the Paintz.app.
Explain that this program allows the user to draw images and make pictures using the mouse. Highlight
the paint brush function, showing marks can be made by clicking and dragging.
Demonstrate how to change the colour and thickness of the line, and create a simple picture.
Demonstrate now to change the colour and themics of the and, and create a simple picture.
Allow learners time to draw their own pictures. If learners are working with a partner, ensure both
learners have the opportunity to explore the program and demonstrate their mouse skills.
Note: This could be an ennertunity to link to other errors of the survivulum
Note: This could be an opportunity to link to other areas of the curriculum.
Challenge: Learners can explore other functions available in the Paintz program e.g.:
Change the background colour from white using the fill tool
Create shapes and lines
Correct mistakes by using the eraser function
• Insert a shape or line
- insert a shape of line
Q - What can you do with this tool?
Q - What tool have you used?
a milia coornave you used.

	Q - What tool has been used to change the way the image has been drawn?
	SAVE work to seesaw / in paintz.app / in google docs.
	Deepening Show different images. Ask which tool has been used to change the image. (use a Kahoot quiz?)
	<u>Reflection</u> How successful do they think they were? Link to metacognition colours.
Vocabulary: computer, mouse, trackpad, double cli	ick

	Lesson Number - 4		
Key learning: To use a keyboard to type on a computer	Concepts: Computer Skills Information Technology	Lesson structure: Introduction, direct teaching, activities, key questions Engage: Recap what we can use a mouse for.	
 Success Criteria: I can say what a keyboard is for I can type my name on a computer I can save my work to a file. 	Suggested resources: Flipchart Chromebooks Access to <u>Paintz.app</u> Seesaw	Introduce: Q – what can we use a keyboard for? Show different examples – explain that sometimes they look different but they all do the same job. P&C Give children opportunity to log on to chromebooks and open up program. Model opening up the paintz program. Highlight the text function on the toolbar (dotted square with a T in the middle). Select this function with a single click. Demonstrate clicking and dragging a text box onto the paint area. Give children the chance to do this.	

	Scaffolding opportunity: Break down the steps of switching on and logging into the computer. Encourage learners using trackpads to use both hands (one hand to hold down the button and the other to drag.
	IndependentExplain that you can now write text in the box. Model this by writing your name or a word.Note - To finalise a text box, learners will need to click outside of the box or a different tool on the toolbar. It is important to emphasise that once learners click away from their text box, they will not be able to edit the text, including moving the text box.
	Ask them to write their name into a textbox at the bottom of the page. If in partners, make sure both get the opportunity to have a go.
	Challenge: Ask learners to alter the size, colour and font of the text in a text box. Remind the learners that they will need to do this before they click away from their text box.
	Deepening Draw a simple drawing of themselves above their name using the Paintz.app. Explain that this can be very simple and does not need too much detail.
	Save file in the paintz.app or seesaw or google docs. Discuss giving their file a suitable name and why.
	<u>Reflection</u> Share an example of a child's work. Q- what functions have been used? Q — has more than one colour been used? Q — Has text been added?
Vocabulary: computer, keyboard, mouse	Q – Have any other tools been used?

Lesson Number - 5		
Key learning: To use the keyboard to edit text	Concepts:	Lesson structure: Introduction, direct teaching, activities, key questions
 Success Criteria: I can open my work from a file I can use the arrow keys to move the cursor I can delete letters 	Suggested resources: Flipchart Chromebooks Access to <u>Paintz.app</u> Seesaw Kahoot Project Evolve Knowledge Map	 Engage: Recap the names of the 2 devices they have used so far (keyboard and mouse). Q - How have they been used? Introduce: Model how to open up a saved file. Open a browser and navigate to the Paintz program. Highlight the 'open image' icon. Explain that this button will allow the learners to select the image they saved in the Lesson 4. Model clicking the button and share the box that appears. Explain that learners will need to find the file they saved during the previous lesson. Q - How can we ensure we are selecting the correct file? Remind the learners of the importance of naming a file sensibly when it is saved. If pupils have saved their work in seesaw / google docs, then step by step instructions need to be given to show how to access these. P&C Children given the opportunity to open up their saved work from the previous lesson.

	Esc F1 F2 F3 F4 F5 F6 F7 F8 F9 F10 F11 F12 P15c Pase Insert Odelts
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
	Model drawing a new text box above the self portrait and using each key to write a sentence e.g. "I am in year 1"
	Ask children to write short sentence above their self portrait.
	Scaffolding opportunity: Provide learners with pre-written sentences they could use to support them. The primary objective is for learners to experience the use of the keyboard.
	Children to save their work once again under a sensible name.
	 Deepening Kahoot quiz. Select the correct device for the statement. 1. You can move a pointer around the screen with this device (mouse) 2. You can type letters using this device (keyboard) 3. You would use this device to write a sentence (keyboard) 4. You can draw a picture with this device (mouse) 5. You input instructions to the computer by clicking on this device (mouse)
	Reflection
	Knowledge map assessment from Project Evolve for Year 1 – Managing Online Information.
Vocabulary: keyboard, computer	

Lesson Number - 6

Teachers to choose one of	Concepts:	Use results of the knowledge map assessment from the previous lesson to identify any gaps in the pupil's
the following resources to	Online Safety	knowledge. As a result, decide which lesson outcome / activities will be most beneficial for your class /
use from Project Evolve	5 5	year group.
"Year 1 - Managing		
Online Information" topic		Lessons 2 & 3 resources are the same as the activities cover both statements as long as key questions are
based on the results of		used effectively.
the knowledge map		Key Questions for Lesson 1
assessment at the end of		-What devices can we use to get on the internet?
Lesson 5.		- Have you used your fingers to 'swipe' on a tablet?
Key learning:		- Have you ever talked to a device (such as Alexa, Google, Siri or Cortana)?
I can give simple examples of		- Which way is easiest? Does it matter what you're trying to do?
how to find information using		
digital technologies, e.g.		Kou Questions for Lesson 2.8.2
search engines, voice activated searching. (Project		Key Questions for Lesson 2 & 3
Evolve)		- Why does the internet have lots of information?
		- Who puts it there?
Or		- Why do people put information on the internet?
I know / understand that we		- Is 'information' always true?
can encounter a range of		- What can we do if we see something online that makes us upset?
things online including things		
we like and don't like as well		
as things which are real or		
make believe / a joke. (Project Evolve)		Reflection – complete knowledge map "assess impact" on the lesson outcome that has been
		taught to identify impact of learning.
Or		
I know how to get help from		
a trusted adult if we see		
content that makes us feel		
sad, uncomfortable, worried		
or frightened. (Project Evolve)		

Success Criteria:	Suggested resources:			
Lesson 1:	Project Evolve			
 I can give simple 	knowledge map			
examples of how to find				
information (e.g. search	Flipchart			
engine, voice activated search engine) • I can use the internet to find things out.	Project Evolve resources for "Year 1 – Managing Online Information"			
Lesson 2 & 3 (Lesson 2 &				
3 success criteria are the				
same as it covers both				
statements as long as key				
questions are used				
effectively.)				
• I know that we can				
encounter a range of				
things online that we				
don't like.				
• I know that we can				
encounter things online				
that real or make believe.				
• I know I can get help if I				
see content that makes				
me feel sad / worried /				
confused.				
 I know how to get help 				
from a trusted adult.				
5				
Vocabulary: information technology, trusted adult, internet, information				