Key Stage 3

Year 8 Computing

Personalised Learning Checklist

Name:

Group:

Use this checklist before your assessment to focus your work and after to check the effectiveness of your work.

G	I am confident about this topic and I know what I need to do.
A	I am not too sure about this topic. I may need to check with my teacher and spend more time working on this topic.
R	I am not confident I could answer a question on this topic. I need to check with my teacher and ensure I have what I need to do it.

Lesson	Topic/Unit Focus				
Spreadsheets		**Support**	**R**	**A**	**G**
1	I understand the 9 spreadsheet **keywords**	KO			
2	I know the symbols for add, subtract, multiply & divide	Formula			
	I understand what a SUM **formula** does				
	I can write SUM ,AVERAGE , MIN & MAX formulae				
3	I understand how to use clear **formatting** for colour and fonts	Formatting			
	I can create a table layout in Excel				
4	I understand which type of **chart** to use for different data (Column / Pie / Line)	Charts			
	I can create a simple Pie chart in Excel for 1 column of data				
	EXTEND:I can create a column chart comparing more than 1 column of data				
Ethics & E-Safety		**Support**	**R**	**A**	**G**
1	I understand how to manage smart phone bills/payments	KO			
2	I can explain what a **digital footprint** is				
3	I can explain 4-6 different kinds of **cyberbullying**				
	I know how to report/block/deal with cyberbullying				
4	I know what the **Computer Misuse Act** is				
	EXTEND:I can explain the difference between a **Section 1 / 2 / 3** breach				
5	I can explain what the **Data Protection Act** does.				
	I can explain what **cookies** are				

	Python Coding	Support	R	A	G
1	I can write, save and run the “hello world” program in Mu	KO			
	I can use `input` and `print` in python				
	I can assign a value to a variable in python				
2	I know the difference between strings, integers and reals/floats	KO			
	I know what casting is and how to do it in python				
	I know how to add, subtract, divide and multiply numbers in python.				
	I know how to concatenate strings in python				
3	I know what selection is	KO			
	I can use `if` in python				
	I can use `if else` in python				
4	I know the difference between a logic error and a syntax error	KO			
5	I can use `if elif else` in python	KO			
	Data Representation	**Support**	**R**	**A**	**G**
1	I can convert from Binary to denary and denary to binary	KO Video 1			
	EXTEND: I can convert numbers between 128-255				
2	I can create images from binary and create binary from images	KO Video 2			
3	I can convert from binary to hexadecimal and hexadecimal to binary	KO Video 3 Video 4			
	I can convert from denary to hexadecimal and hexadecimal to denary				
4	I can convert text to binary and binary to text using the ASCII language set	KO Video 5			
	Networks	**Support**	**R**	**A**	**G**
1	I can explain what a **network** is.	KO			
	I can explain **protocols** for an email address or web address				
2	I can explain the roles of the following **hardware**: Network Cable, Hub, Server & Router				
3	I can explain the **advantages** and **disadvantages** of connecting a network using **cables** or **wirelessly**				
	I can explain the term **bandwidth**				
4	I can explain what the **internet** is and how devices are connected worldwide				
	EXTEND: I understand the keywords: **Packets IP Address TCP**				
5	I can explain the difference between the **internet** and the **WWW**				
	I can describe and give examples for **the Internet of Things**				
6	I can explain the keywords: **Web Browser Search engine HTTP / HTTPS**				
	EXTEND: I can explain the different parts of a web address: **URL Protocol Domain Name Top Level Domain**				

Therapy (Interventions)				
I watched the following video lessons to help me recap:				
I used my KO to recap the following topics:				
I had a conversation with my teacher about:				

Additional Support / Guidance

If you want to learn more you could try these web links for:

Spreadsheets

BBC Bitesize spreadsheets guide

Ethics & E-Safety

Online safety tips from Childline

BBC Bitesize facts

Python Programming

Download MU

Online Python practice with Trinket

Data Representation

ASCII

Images

Networks

BBC Bitesize computing history

EXTEND: GCSE Bitesize networks!