Programming Year 7 Theme 4 Knowledge Organiser			
Small Basic Command	What it does	Syntax	
Textwindow	Opens a Text Window when the program is run	Textwindow.writeline Textwindow.read() Textwindow goes at the beginning of the line and is followed with a full stop	
Writeline	Outputs a message to the text window when the program is run	Textwindow.writeline("Hello World") Writeline comes after textwindow. Use brackets and speech marks around the text you want to output	
Write	Outputs a message to the text window, but outputs it on the same line as the previous piece of text	Textwindow.write("Hello World") It works the same way as writeline	
Read()	Allows the user to input information when the program is run	Textwindow.read() Read comes after textwindow. Add a pair of brackets after read. Don't put anything inside the brackets	
Variables Age Name Score	A variable is not a built in command. It is a temporary storage area in the computer's memory. Variables are used to store a piece of information whilst the program is running	Name = textwindow.read() Age = textwindow.read() Score= textwindow.read() To assign information to a variable, use it with the read command. Use an equals sign to assign the information to the variable. When choosing a variable name avoid special characters %^\$£>? And your variable name must just be one word (no gaps), e.g. firstname or first_name are allowed, but first name is not allowed	
Concatenation	A way of joining text with the contents of a variable when outputting	Name= textwindow.read() Textwindow.writeline("Nice to meet you " + Name) Textwindow.writeline("Hello " + Name + "How are you?") Use the + symbol to join "bits of text" with the contents of a variable	
If, elseif, else, end if	Method of selection. Used to compare the contents of a variable with a given criteria "If" is used for checking if one condition is true "Elseif" is used for checking if another condition is true. "Else" is used for if all the previous conditions are not true	Age= textwindow.read() If age < 17 then Textwindow.writeline("too young to drive") Elseif age >75 then Textwindow.writeline("take another test") Else Textwindow.writeline("old enough to drive") Endif Each IF must have and ENDIF You can use as many ELSEIF s but only one EYOU must finish with an ENDIF	Weather = textwindow.read() If weather = "sunny" then Textwindow.writeline("Take a sun hat") Elseif weather = "rainy" then Textwindow.writeline("Take an umbrella") Else Textwindow.writeline("Take a coat") Endif ELSE must be used.