VBk Practical Mathematics and Microsoft Excel Course



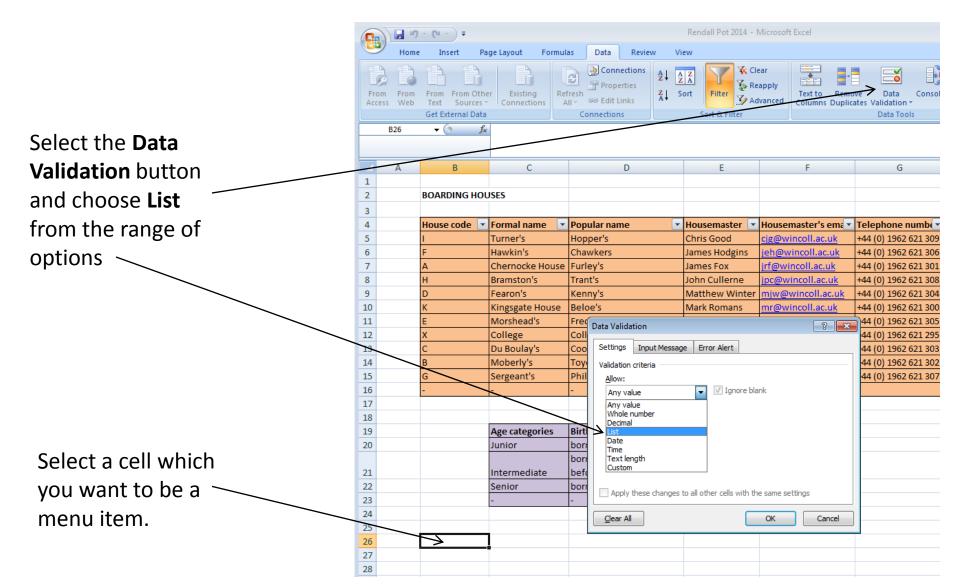
Menus & VLOOKUP







Menus are a useful feature in Excel if you want a user to choose an input from a finite set of responses. These responses may need to be spelled correctly, as they may well link (via VLOOKUP) to a table which will automatically populate other cells. Hence a menu rather than a 'free text field' is a very good idea.



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If the **List** option is selected, you will be asked for the **Source** of the table which constitutes the menu options. You can type this or use the button on the right of the box to drag and select cells.

The name in **'… '!** is the name of the worksheet. The code **\$B\$5:\$B\$16** defines a fixed array between cells **B5** and **B16**. The dollar sign forces this *not* to change if another menu cell is added somewhere else.

House code		
А		Cells can be copied
D		to create a table.
E		Clicking on each call
х		Clicking on each cell
C		will bring up a
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	2		BOARDING HO	DU	SES			
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				Kingsgate House	2	Beloe's	Mark	
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	20	```	\backslash	- 1	Junior		born after 1.9.98	
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	21				Intermediate		before 1.9.98	
	22				Senior		born on or before 1.9.97	
					-		-	
	24							
				И	Popular name		Housemaster	

Now let's use VLOOKUP to automatically popul depending on the menu item chosen.

In this example the code is:

= VLOOKUP(B26, 'Houses & Ages'!\$B\$5:\$F

This means: "based on data table B5 to H16 in worksheet 'Houses & Ages', give me column 3 of this array which is an exact *match* to the column 1 entry, which corresponds to the content of cell B26."

For VLOOKUP to work, column 1 of the VLOOKUP array must be correspond to the menu items.

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18				
19	\backslash		Age categories	Birth dates
20		\backslash	Junior	born after 1.9.98
		\backslash		born after 1.9.97 but
21			Intermediate	before 1.9.98
22			Senior	born on or before 1.9.97
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25		House code	Popular name	Housemaster
26		Α	Furley's	
27		D		
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	Α	В	С		D		E
1							
2		BOARDING HO	DUSES				
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4		House code	 Formal name 	•	Popular name	•	Housemaster 💽
5		I	Turner's		Hopper's		Chris Good
6		F	Hawkin's		Chawkers		James Hodgins
7		А	Chernocke Hou	se	Furley's		James Fox
8		н	Bramston's		Trant's		John Cullerne
9		D	Fearon's		Kenny's		Matthew Winter
10		к	Kingsgate House	e	Beloe's		Mark Romans
11		E	Morshead's		Freddie's		Jamie McManus
12		х	College		College		lan Fraser
13		С	Du Boulay's		Cook's		Liam Taylor
14		В	Moberly's		Toye's		Patrick Herring
15		G	Sergeant's		Phil's		David Yeomans
16		-	-		-		-
17							
18							
19			Age categories		Birth dates		
20			Junior		born after 1.9.98		
					born after 1.9.97 but		
21			Intermediate		before 1.9.98		/
22			Senior		born on or before 1.9.9	7	
23			-		-		
24							
25		House code	Popular name		Housemaster		
26		А	Furley's		James Fox		
27		D	Kenny's		Matthew Winter		
28		E	Freddie's		Jamie McManus		
29		x	College		lan Fraser		
30		С	Cook's		Liam Taylor	\swarrow	
31		А	Furley's		James Fox		
32		А	Furley's		James Fox		
33		А	Furley's		James Fox		
34							
35							

Copy and paste the **VLOOKUP** cell to automatically populate a table.

Note the **\$** sign is omitted from the first argument of VLOOKUP. This means **B26** will automatically become **B30** as the cells are 'replicated down' or pasted.

= VLOOKUP(<mark>B26</mark>,'Houses & Ages'! \$B\$5:\$H\$16,4,FALSE)

= VLOOKUP(<mark>B30</mark>,'Houses & Ages'! \$B\$5:\$H\$16,4,FALSE)

If **TRUE** is chosen, the match will be the *nearest*, but perhaps not an exact match. Use with caution!