

# The Student Sorting Kit

Design Level 2 – Wibble Secondary

On all slides, click the mouse to go on

Press Esc to end

# School Details

Wibble School is very much like Ebal School in so far as it has:

- An eight-form entry mixed gender intake
- 3 main feeder schools
- A majority of students of average ability.
- A significant number of students with behaviour problems
- 3 main general ethnic groups
- Information about friends supplied
- Information about “keep-aways” known

# Extra Information

However, Wibble school gives its students a choice of language:

- Students can choose Spanish or French
- French is studied by one half of the Year Group
- Spanish is studied by the other half of the Year Group

# Requirements

Wibble School wants to make 8 tutor groups with

- Equal numbers of children in each
- Equal ratios of girls and boys
- An even distribution of students from the 3 main feeders
- Equal ratios of abilities
- Equal numbers of students with behavioural problems
- Equal distributions of the main general ethnic groups
- Students placed with positive friends
- Students with negative relationships kept apart
- **Students choosing French to be in Groups 1 to 4**
- **Students choosing Spanish to be in Groups 5 to 8**

# Student Details

The Head of Year gathers the following information:

- Surnames and forenames
- Gender (M or F)
- Feeder school name
- Ability indicator (A = Higher, B = Average, C = Lower)
- Behaviour problem indicator (Blank = None, 1 = Moderate, 2 = Difficult)
- Ethnic Indicator (White, Asian, Black)
- The names of student friends
- The names of student “enemies”
- **Each student’s choice of language (French, Spanish)**

# Step 1 – Factor Sheet

## General Options

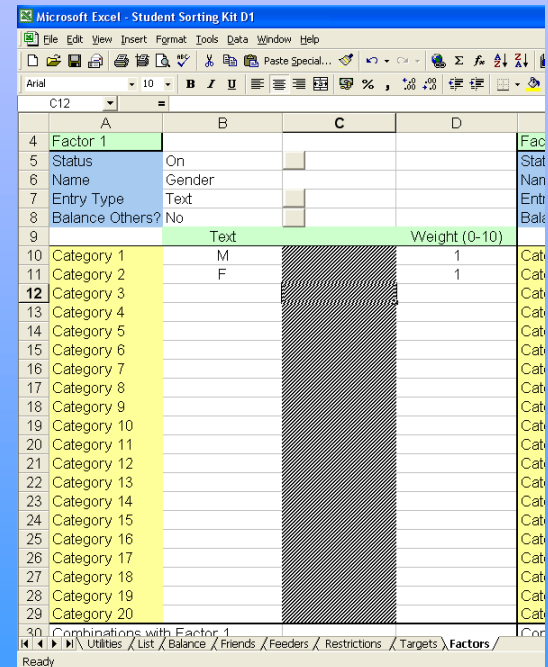
	A	B	C	D	E	F	G	H	I
1	Max Classes =	12	min=2, max=50	Student Weight =	1	min=1, max=10	Friend Cols =	4	min=1, max=20
2	Link Method =	Initial+Surname		Restrict Cols =	2	min=1, max=20	Anti Cols =	4	min=1, max=20
3	Don't forget to press the "Bulk" button on the Utilities sheet after you have finished here								
4	Factor 1				Factor 2				Factor 3

- Max Classes = 12 (only 8 tutor groups but include some more just in case!)
- Link Method = Initial+Surname (Format used to describe friends and enemies)
- Student Weight = 1 (A student counts as one person)
- **Restriction Cols = 2 (One will definitely be used for Language Choice)**
- Friend Cols = 4 (4 columns for the input of friends)
- Anti Cols = 4 (4 columns for the input of enemies)

# Step 2 – Factor Sheet

## Factor 1:

- Click Status button to “On”
- Write in the name as “Gender”
- Click the Entry Type button to “Text”
- Leave the “Balance Others” as “No”
- Set the two categories to “M” and “F”
- Give them a weighting of “1”



The screenshot shows a Microsoft Excel spreadsheet titled "Microsoft Excel - Student Sorting Kit D1". The spreadsheet is a Factor Sheet for "Factor 1". The columns are labeled A, B, C, and D. The rows are numbered 4 through 29. The data is as follows:

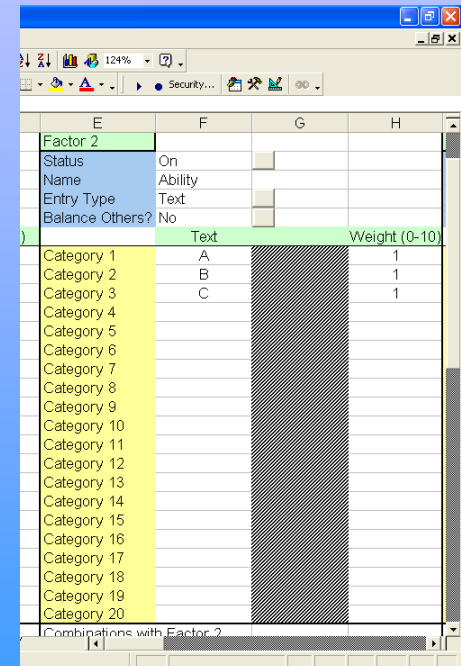
Row	A	B	C	D	Label
4	Factor 1				Fac
5	Status	On			Stat
6	Name	Gender			Nan
7	Entry Type	Text			Entr
8	Balance Others?	No			Bals
9		Text		Weight (0-10)	
10	Category 1	M		1	Cat
11	Category 2	F		1	Cat
12	Category 3				Cat
13	Category 4				Cat
14	Category 5				Cat
15	Category 6				Cat
16	Category 7				Cat
17	Category 8				Cat
18	Category 9				Cat
19	Category 10				Cat
20	Category 11				Cat
21	Category 12				Cat
22	Category 13				Cat
23	Category 14				Cat
24	Category 15				Cat
25	Category 16				Cat
26	Category 17				Cat
27	Category 18				Cat
28	Category 19				Cat
29	Category 20				Cat

The status bar at the bottom of the window shows the path: Ready | Combinations with Factor 1 | Utilities | List | Balance | Friends | Feeders | Restrictions | Targets | Factors |

# Step 3 – Factor Sheet

## Factor 2:

- Click Status button to “On”
- Write in the name as “Ability”
- Click the Entry Type button to “Text”
- Leave the “Balance Others” as “No”
- Set the three categories to “A”, “B” and “C”
- Give them a weighting of “1”



The screenshot shows a software window titled 'Security...' with a zoom level of 124%. The main area displays a configuration table for 'Factor 2'. The table has columns E, F, G, and H. The rows are as follows:

	E	F	G	H
Factor 2				
Status	On			
Name	Ability			
Entry Type	Text			
Balance Others?	No			
		Text		Weight (0-10)
Category 1	A			1
Category 2	B			1
Category 3	C			1
Category 4				
Category 5				
Category 6				
Category 7				
Category 8				
Category 9				
Category 10				
Category 11				
Category 12				
Category 13				
Category 14				
Category 15				
Category 16				
Category 17				
Category 18				
Category 19				
Category 20				

The status bar at the bottom indicates 'Combinations with Factor 2'.



# Step 4 – Factor Sheet

## Factor 3:

- Click Status button to “On”
- Write in the name as “Behaviour”
- Click the Entry Type button to “Integer”
- Click to set the “Balance Others?” to “Yes” \*
- Set the two categories to “1” and “2”
- Give them a weighting of “1”

\* *There are a lot of “Others”*

	J	K	L	
4	Factor 3			Fac
5	Status	On		Sta
6	Name	Behaviour		Na
7	Entry Type	Integer		Ent
8	Balance Others?	Yes		Bal
9		Integer	Weight (0-10)	
10	Category 1	1	1	Ca
11	Category 2	2	1	Ca
12	Category 3			Ca
13	Category 4			Ca
14	Category 5			Ca
15	Category 6			Ca
16	Category 7			Ca
17	Category 8			Ca
18	Category 9			Ca
19	Category 10			Ca
20	Category 11			Ca
21	Category 12			Ca
22	Category 13			Ca
23	Category 14			Ca
24	Category 15			Ca
25	Category 16			Ca
26	Category 17			Ca
27	Category 18			Ca
28	Category 19			Ca
29	Category 20			Ca
30	Combinations with Factor 3			
31	N \ Utilities \ List \ Balance \ Friends \ Feeders \ Restrictions \ Targets \ Factor 3			

# Step 5 – Factor Sheet

## Factor 4:

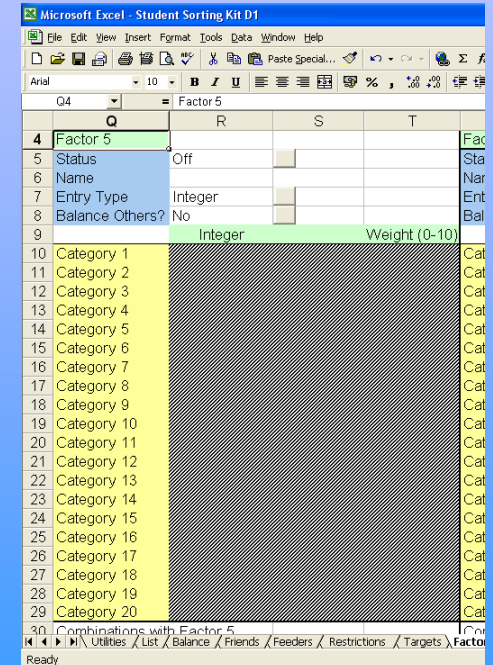
- Click Status button to “On”
- Write in the name as “Ethnic”
- Click the Entry Type button to “Text”
- Leave the “Balance Others” as “No”
- Set the three categories to “Black”, “White” and “Asian”
- Give them a weighting of “1”

M	N	O	P	Q
Factor 4				Factor 5
Status	On			Status
Name	Ethnic			Name
Entry Type	Text			Entry Type
Balance Others?	No			Balance Oth
	Text		Weight (0-10)	
Category 1	Black		1	Category 1
Category 2	White		1	Category 2
Category 3	Asian		1	Category 3
Category 4				Category 4
Category 5				Category 5
Category 6				Category 6
Category 7				Category 7
Category 8				Category 8
Category 9				Category 9
Category 10				Category 10
Category 11				Category 11
Category 12				Category 12
Category 13				Category 13
Category 14				Category 14
Category 15				Category 15
Category 16				Category 16
Category 17				Category 17
Category 18				Category 18
Category 19				Category 19
Category 20				Category 20

# Step 6 – Factor Sheet

## Other Factors:

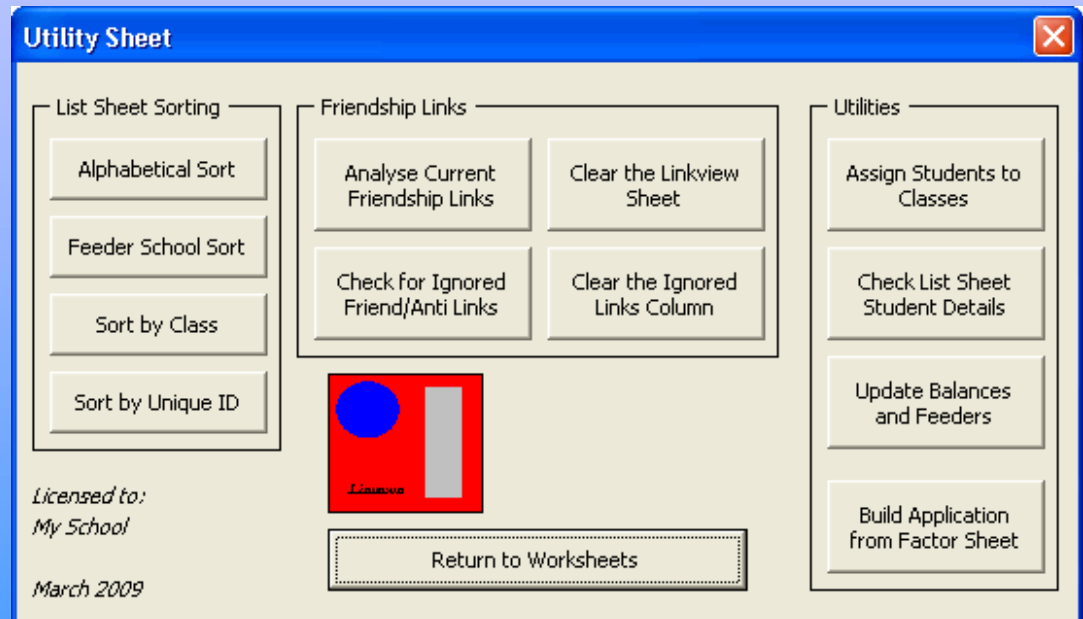
- Turn off all unwanted factors



# Step 7 – Utilities Sheet

Building your own application:

- Click the *Utilities* sheet
- Press the “Build Application from Factor Sheet” button
- Answer yes when asked for confirmation



# Step 8 – List Sheet

Entering student information:

- The columns are now ready
- Enter the student information
- Enter the choice of language into the first Restriction column

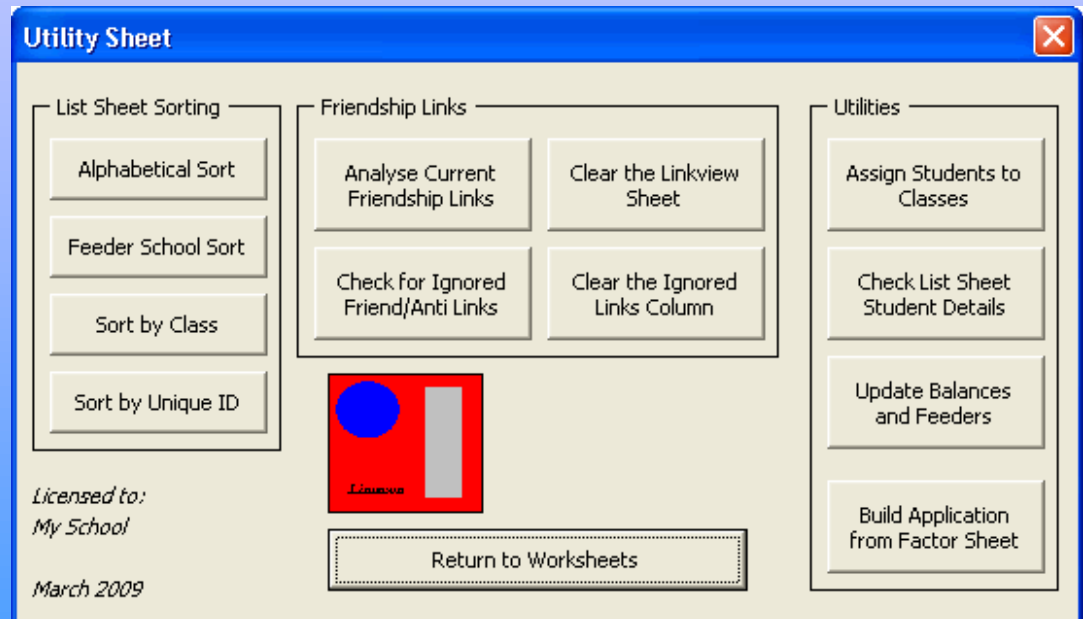
The screenshot shows a Microsoft Excel spreadsheet titled "Student Sorting Kit 2009.xls". The spreadsheet contains a list of students with the following columns: Surname, Forename, Gender, Ethnicity, Ability, Behaviour, Learning, Language, Feeder School, Friendships (Friend, Friend, Friend, Friend), and Keep Always (Anti, Anti). The data is as follows:

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
2	Surname	Forename	Gender	Ethnicity	Ability	Behaviour	Learning	Language	Feeder School	Friendships	Friend	Friend	Friend	Friend	Keep Always
3															
3	Abram	Achilles	M	White UK	7.2				Alkham Road Junior	T Tokam S Atwali					
4	Abriel	Hassan	M	White UK	6.8				Oldham Park Primary	T Tokamo					
5	Abwalli	Shranjeet	F	Indian	9				Alkham Road Junior						
6	Bactavatchalam	Minitha	F	Pakistani	5.2				Potter Colvin Primary	H Deel					
7	Barj	Rups	F	White UK	3.8	1	2		Hinchel Junior	S Kaur					
8	Benchford	Deborah	F	Indian	1.1		1		Alkham Road Junior					H Bhudia	
9	Bhudia	Heena	F	White UK	4.5				Alkham Road Junior						
10	Biddle	Laura	F	White UK	8				Greenhill Junior						
11	Biddle1	Luke	M	White UK	7.3				All Souls Junior						
12	Bleachin	Tejal	M	White UK	9.2	2			Nearham Green Primary					Z Khan A Mal	
13	Blunkell	Sarah	F	White Other	Unknown				Hinchel Junior	A Kumar					
14	Bontasar	Rachel	F	White UK	7.9				Whitehall Primary						
15	Booker	Nilesh	M	Pakistani	9.1				Greenhill Junior						
16	Chaudry	Aujan	M	White UK	4		1		Greenhill Junior	N Booke H Cimonon				L Biddle	
17	Chohan	Razeena	F	White UK	3.3		2		Alkham Road Junior						
18	Chuhan	Flick	M	Other	6.3				Hinchel Junior					M Johnson	
19	Cimonon	Harveen	F	Indian	9			2	Greenhill Junior						
20	Clarkes	Michael	M	Bangladesh	8.5				Alkham Road Junior	A Din					
21	Colliss	Tiguvon	M	Indian	6.8				Oldham Park Primary						
22	Cooper	Harry	M	White UK	Abs				Tottenham Lower	H Cooper1					
23	Cooper1	Helen	F	White UK	7.6				Tottenham Lower	E Van Lima					
24	Crampon	Mark	M	Bangladesh	4.6			1	Alkham Road Junior						
25	Curzon	Charlotte	F	White Other	7.9				Alkham Road Junior	Z Simps D Martir R Ford					
26	Dale	Robson	M	White UK	6.4				Waters Primary	G Sidhu R Vitosa					
27	Delphadi	Olukorede	M	White Other	3.4			1	Alkham Road Junior						
28	Denton	Roney	F	White UK	5.1				St Benedictine's RC Primary						
29	Deol	Hernstlage	M	Chinese	2.4				Potter Colvin Primary	M Bactavatchalam					
30	Devgun	Hardip	M	White UK	3.8			2	Alkham Road Junior	A Din					
31	Devguntha	Meena	F	Indian	7.4				Alkham Road Junior						
32	Digpal	Hantha	M	Black African	6.9				Alkham Road Junior	A Din					
33	Dimanche	Courtney	M	White Other	Abs				Greenhill Junior						

# Step 9 – Utilities Sheet

Building your own application:

- Click the *Utilities* sheet
- Press the “Update Balances and Feeders” button









# Restrictions Sheet

Setting the language restrictions:

- Click on the *Restrictions* sheet
- Columns are your classes
- Rows are restriction categories
- Place a “Y” under each class available to each category

Microsoft Excel - Student Sorting Kit D2

File Edit View Insert Format Tools Data Window Help

Arial Font 10 My Element 1 restrictions are

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V											
1	<b>My Element 1 restrictions are</b>																															
2	<b>Category</b>	1	2	3	4	5	6	7	8	9	10	11	12																			
3	French	Y	Y	Y	Y																											
4	Spanish					Y	Y	Y	Y																							
5																																
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16	<b>My Element 2 restrictions are</b>																															
17	<b>Category</b>	1	2	3	4	5	6	7	8	9	10	11	12																			
18																																
19																																
20																																
21																																
22																																

Ready

*French students in classes 1 to 4,  
Spanish students in classes 5 to 8*

# Design Complete

The Kit is now customised according to your wishes:

- Now use “Save As” to back it up
- Choose a new name for it
- Every time you make changes....

**BACK IT UP!**

