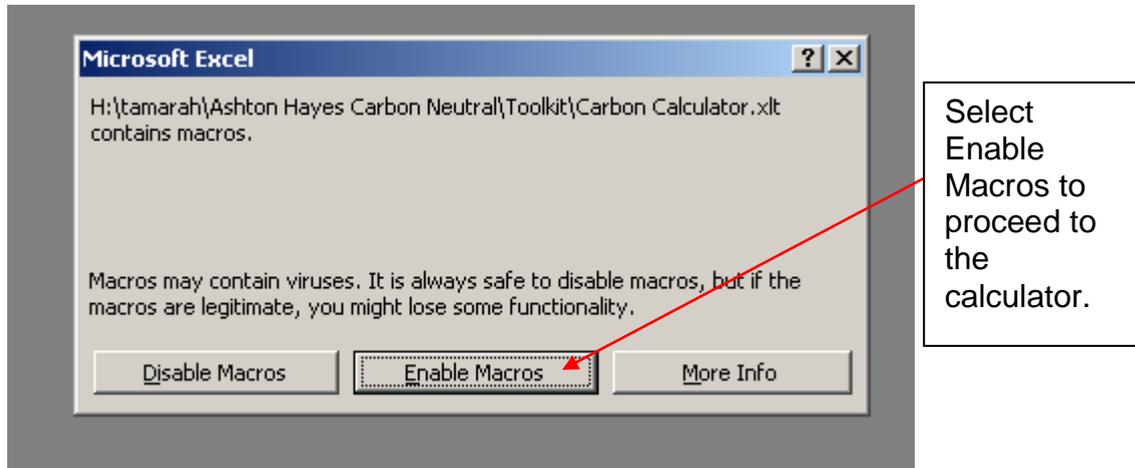


Using the Carbon Calculator

Background information to using the calculator

The calculator is written as a Microsoft Excel file that contains an embedded macro, thus when you open the file a message appears warning you that macros can be dangerous and asking you if you want to "enable macros". To our knowledge it is totally free of viruses and does no harm to any computer that it has run on. Thus simply click the "enable macros" button to open the file.



The calculator uses information from SOME of the questions on the survey (but not all see Table 1)

Section of Survey	Question Numbers
Home	2b
Home Energy	6,7 and 9
Travel and Transport	2, 3, 4, 5, 7 and 8

Table 1 Survey questions used in the calculator.

This is a manual process. Thus you read the data from each survey form and enter the figures (by selecting codes) into the calculator, one household at a time.

The calculator gives an estimated carbon footprint rather than an absolute one as it is based on standard average figures and conversion factors taken from sources such as Defra and the Energy Saving Trust rather than actual energy consumption.

All of the calculations are hidden from the user in the locked columns 'M' to 'AC'. It was written to make life simple for the student group who carried out the Ashton Hayes survey. It worked OK for them and is thus 'student-proof'!

There are plenty of other calculators available on the web but this one is tailored for use with our survey sheet. If you amend the survey, try to retain the questions that appear in the calculator (Table 1) and then you will be able to use it.

Inputting data

1. The codes relating to the answers on the survey sheet are listed to the left of each data entry box on the calculator.

The screenshot shows an Excel spreadsheet with the following data:

	A	B	C	D	E	F	G	H	I	J	K	L
36		250 cm				5						
37		Don't know				0						
38												
39												
40		4 How much of the property has insulated walls?								Wall:		
41		None				1						
42		Partial				3						
43		Full				5						
44												
45												
46		5 How much of the property is double / secondary glazed?										
47		None				1				Glaze:		
48		Some (25%)				2						
49		About half				3						
50		Most (75%)				4						
51		All				5						
52												

Data entry box

Answer codes

2. Simply choose the appropriate code for the response given on the survey and enter using drop down list (a) associated with each entry box. For a few of the questions e.g. number of short haul return flights the number must be typed in (b).

The screenshot shows a survey question with a dropdown menu:

2 What is your main heating fuel?		Fuel	
Mains gas	1		
Electricity	2		
Solid fuel	4		
Bottled gas	1		
Oil	3		
Wood	4		

(a) drop down list

The screenshot shows a survey question with a text entry box:

10 How many short haul (UK, Europe and Mediterranean) return flights have been taken by the household in the past year?		
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(b) enter by typing in the number

