



Key Question: Do we have a food waste problem in the UK?

EXPERIENCE OVERVIEW

Pupils investigated just how much food was wasted in the UK over different periods of time and what foods were the main culprits of food waste! In addition, we looked at why people waste food and learnt some simple food saving strategies! Bwyd i Bawb donated over 20 surplus bananas which we were able to create into our Waste Wizards recipe!



Calculating food waste using Excel

Year 5 (Dosbarth Penfro)
Ysgol Bro Barw Juniors
High Street
Ammanford
SA18 2NS

10th January 2022

Dear Dosbarth Penfro,

We have a huge problem and need your help. We have had a large amount of bananas donated to our food shop over the past week and as they are ripe with some are turning a little brown, no one wants them. Did you know in the UK we throw away 1.4m bananas every day! What a waste!

We would like you to help out with the UK's food waste problem by coming up with ideas of how we can combat food waste. Just because a food product has passed its 'Best before' date, doesn't mean it should be thrown away! The UK already throws, 10 million tonnes of food away every single year.

Can you come up with a way of saving these perfectly edible bananas? If you can, let's spread the word and encourage more people to do the same! Perhaps you can also find out what other foods most often go to waste in the Ammanford area?

Kind Regards,
The Bwyd i Bawb Team

Calculating Food Waste in the UK

	Daily Waste	Each Week	Each Month	6 Months	Each Year	Daily Waste (Words)
6 Bananas	1,400,000	9800000	39200000	470400000	470400000	One million, four hundred thousand
7 Potatoes	4,400,000	30800000	123200000	7392000000	14784000000	Four million, four hundred thousand
8 Tomatoes	1,200,000	8400000	33600000	201600000	403200000	one million, two hundred thousand
9 Slices of Bread	20,000,000	140000000	560000000	3360000000	6720000000	twenty million
10 Glasses of Milk	3,100,000	21700000	86800000	520800000	1041600000	three million, one hundred thousand
11 Apples	800,000	5600000	22400000	134400000	268800000	Eight hundred thousand
12 Slices of Cheese	3,100,000	21700000	86800000	520800000	1041600000	Three million, one hundred thousand
13 Grapes	131506.8	920547.9452	3682191.781	22093150.68	48000000	
14 Bacon Rashers	547945.2	3835616.438	15342465.75	92054794.52	200000000	

Using a formula to multiply and divide to calculate food waste

Creating an 'infographic' about food waste facts on Creative cloud Express

App Flow

Key DCF

Date & Computational Thinking

I can use a range of spreadsheet formulae, e.g. + / x, sum, average, max, min.

I can construct, refine and interrogate data sets within tables, charts, spreadsheets and databases to test or support an investigation.

Producing

I can use software tools to enhance the outcomes for specific audiences.

I can use a range of software to select, produce and edit a range of multimedia components for a purpose

