

GALWAD

COULD WE LIVE WITHOUT MONEY?

LEARN ABOUT OUR PLANET'S LIMITED
RESOURCES AND TRY TO CREATE A
PARTY WITHOUT USING MONEY



Eco-Schools

Eco-Sgolion

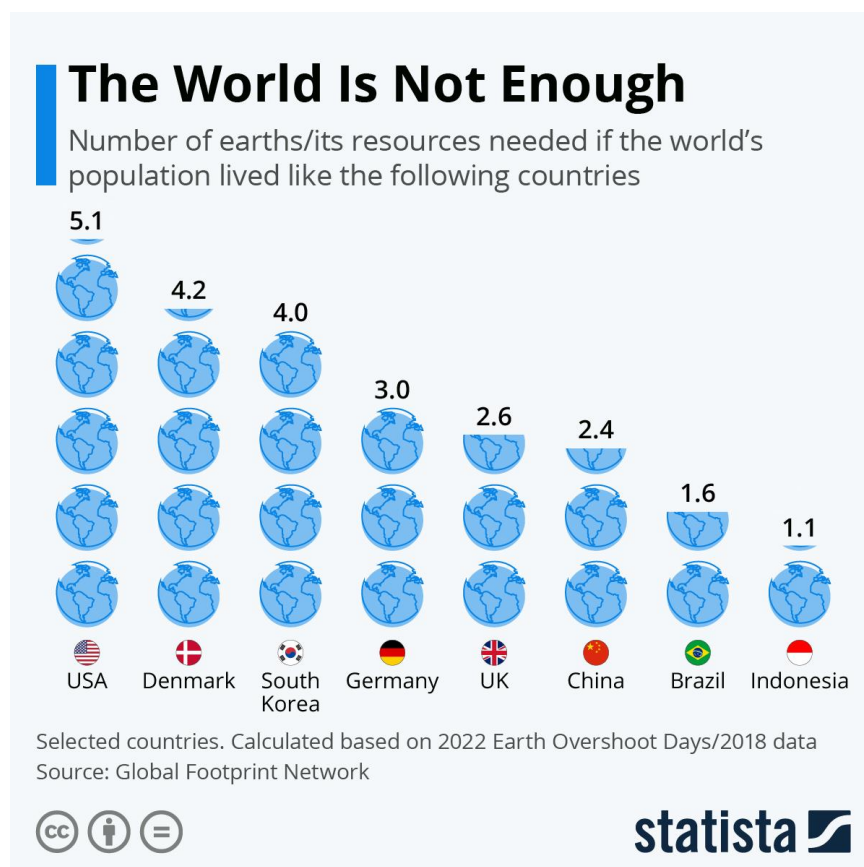

cadwch keep
gymru'n wales
daciws tidy

Namit's repair shop, GALWAD: 2052 drama. Photo: Warren Orchard

Background information

Our world allows us to survive and provides a wealth of resources for us, however, we consume far more resources than the planet can provide. According to [research by the WWF](#), the average carbon footprint of individuals in the UK is 13.7 tonnes a year CO₂e (carbon dioxide equivalent¹). This is due to what we use and buy and made up of the **direct** and **indirect** carbon emissions of products. For example, when making a plastic toy in a factory, the manufacturing process directly produces emissions, the indirect emissions come from getting that toy from the factory to the shop and then into our homes. This means we consume far more of the planet resource than can be provided.

It is estimated that 2.6 planet earths worth of resources are needed to sustain all people if they all had the average UK lifestyle. The diagram shows some other examples of countries and the earths needed to support that lifestyle if everyone in the world adopted it.



¹ CO₂e is "the total climate change impact of all the greenhouse gases caused by an item or activity expressed in terms of the amount of carbon dioxide that would have the same impact over a 100-year period" page 8, How Bad are Bananas Mike Berners-Lee 2020

The concern about the unsustainable consumption of the earth's resources has also led to the annual calculation of Earth Overshoot Day.

*"Earth Overshoot Day marks the date when humanity has used all the biological resources that the Earth regenerates during the entire year"*²

But could we do more with less? Would living without money help us [#MoveTheDate of Earth Overshoot Day](#)?



In 2020 Ceredigion had the lowest overall carbon footprint in the UK of 10.8 tonnes CO₂e



1.3 million tonnes of electrical goods are thrown away each year in the UK. Wales recycled 14,862 tonnes of e-waste in 2020 - 2021



Earth Overshoot Day in 2022 was 28 July, while in 2020 during the pandemic it was 22 August

Activity

In 2052 we may be living in a society that no longer relies on money, as we have become more responsible in our consumption and are living in sustainable communities where we trade things that we do not need for those that we do.

² [Earth Overshoot Day 2022 home - #MoveTheDate](#)

The Challenge:

- You need to plan a birthday party and a gift for a member of your family in your Eco Village. This needs to be completed as sustainably as possible and you have no money for this project.
- Each group is a 'family' which lives in the village and has one of the Resource Card (below), which outlines the skills and resources they have access to.
- You need to trade your resources and skills to acquire the things you need for the party and a gift.
- Make a note of what you have traded and with whom.

Things to think about:

- What is your skill worth? Don't forget to factor in time – how long would it take to use that skill? If it is more complex and takes more time, should it be more valuable?
- Is processing your resources worth it? For example, if you have an orchard – what might your apples be worth? Would they be worth more if already made into apple juice/crumble?
- Reflect – after you have traded think about:
 - Was it easy?
 - How did it make you feel?
 - What were the challenges and how did you overcome them?
 - Did you make any adaptations to your plans?
 - What have you learnt?
 - Could you live without money? Give reasons.

Teacher's notes:

You can adapt the challenge to fit in to your topic work e.g. they may need to plan a building, they could look at trading resources to suit a recipe, make a piece of art. A party is just a suggestion looking to make the link for young people that not having money doesn't mean you don't have good things and good times, a little bit of 'frugal hedonism'.

The skills and resources cards again are suggestions, and you can give space to students to think about their own skills and resources they believe they might have in the future and add these to the cards.

Reflection

How was organising a party without money? Was it satisfying to trade things? How different was it from how you would organise a party today?

You may wish to think about your current consumption habits and to calculate your environmental footprint and discuss actions you could take to reduce your consumption now, rather than waiting for the future. You can use the [WWF Environmental Footprint Calculator \(wwwf.org.uk\)](https://wwwf.org.uk)

Curriculum links

Purposes	- Ethical, informed citizens of Wales and the world.
AOLEs and What matters statements	Humanities - Informed, self-aware citizens engage with the challenges and opportunities that face humanity and are able to take considered and ethical action. Science and Technology - Our natural world is diverse and dynamic, influenced by processes and human action.

Global Goals



[Goal 11: Sustainable cities and communities](#)

[Goal 12: Responsible consumption and production](#)

Resource Cards

FAMILY OREN

Resources:

Your family has a small orchard of Native Welsh fruit trees including Denbigh plum, Bardsey apple and Cariad cherry. You also have an apple press which can be used to make juice. Your smallholding also has an area where you grow a range of vegetables.

Skills:

You produce watercolour paintings of local landscapes.

FAMILY GLAS

Resources:

Your family's smallholding is approximately 5 acres of land used for regenerative agriculture. You have a poly tunnel made from recycled plastic which allows you to grow a wider range of fruit and vegetables such as peppers and tomatoes, compared to others in the village.

Skills:

You are skilled foragers allowing you to collect a range of produce from nature such as wild garlic and velvet shank mushroom.

FAMILY PINC

Resources:

As part of your smallholding, you have an area where you grow a range of vegetables. You also rear pedigree Welsh pigs and can supply bacon, sausages and pork.

Skills:

You are skilled at sewing and are able to make a range of clothing and clothing repairs, however you are not able to make your own fabrics.

FAMILY GWYRDD

Resources:

Your family has a sustainably managed woodland which has a mix of native UK tree species such as birch, oak and ash. You allow others to forage in your woodland if it is arranged beforehand.

Skills:

You are skilled at carpentry and specialise in making wooden furniture

FAMILY DU

Resources:

Your family rears sheep mainly the Balwrn Welsh Mountain Sheep. You have the facilities to process the fleece into wool and you have a loom.

Skills:

You produce many knitted items using the wool produced. You can also make wool cloth on your loom

FAMILY MELYN

Resources:

Your family use hydroponics to increase the number of vegetables you can grow by growing vertically needing less land. You supply electricity for this using a large bank of solar panels to supply all your electricity needs.

Skills:

You are skilled in electronics and are happy to carry out repairs to small electrical items such as mobile phones and toasters to help ensure they last for many many years.

FAMILY PORFFOR

Resources:

Your family has used the land for a vineyard where you grow grapes. You have barrels and a wine cellar.

Skills:

You are able to make a good quality wine.

FAMILY LLWYD

Resources:

Your family have a smallholding where you grow some vegetables and fruit mainly for your own use.

You have a small area of native woodland which is sustainably coppiced to supply wood for your wood fired kiln. You have a wood fired kiln.

Skills:

You are skilled at pottery and make a range of useful pieces such as plates and bowls.

You can use your skill with clay and mud to also render the outside of buildings.

FAMILY COCH

Resources:

Your family had dedicated much of your land to growing cereals such as spelt, a heritage wheat. You also have a mill powered by the wind to allow you to produce flour and a wind turbine for electricity.

Skills:

You are skilled bakers and produce a wide range of bread, cake and pastry products.

FAMILY ARIAN

Resources:

You have a smallholding where you grow vegetables using regenerative agriculture. You also keep a few chickens, Buff Orpington's which are good at laying eggs.

Skills:

Silversmithing, your family will take old pieces of silver and remake it into new unique pieces of jewellery.

GALWAD



CREATIVITY IN THE UK



Cymru Greadigol
Creative Wales

GALWAD is part of UNBOXED: Creativity in the UK, co-commissioned with Creative Wales with funding from Welsh Government and UK Government

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