

Wondrous Wales



Habitats

Grasslands ||

Mountains ▲

Marine ≈

Woodlands ↑

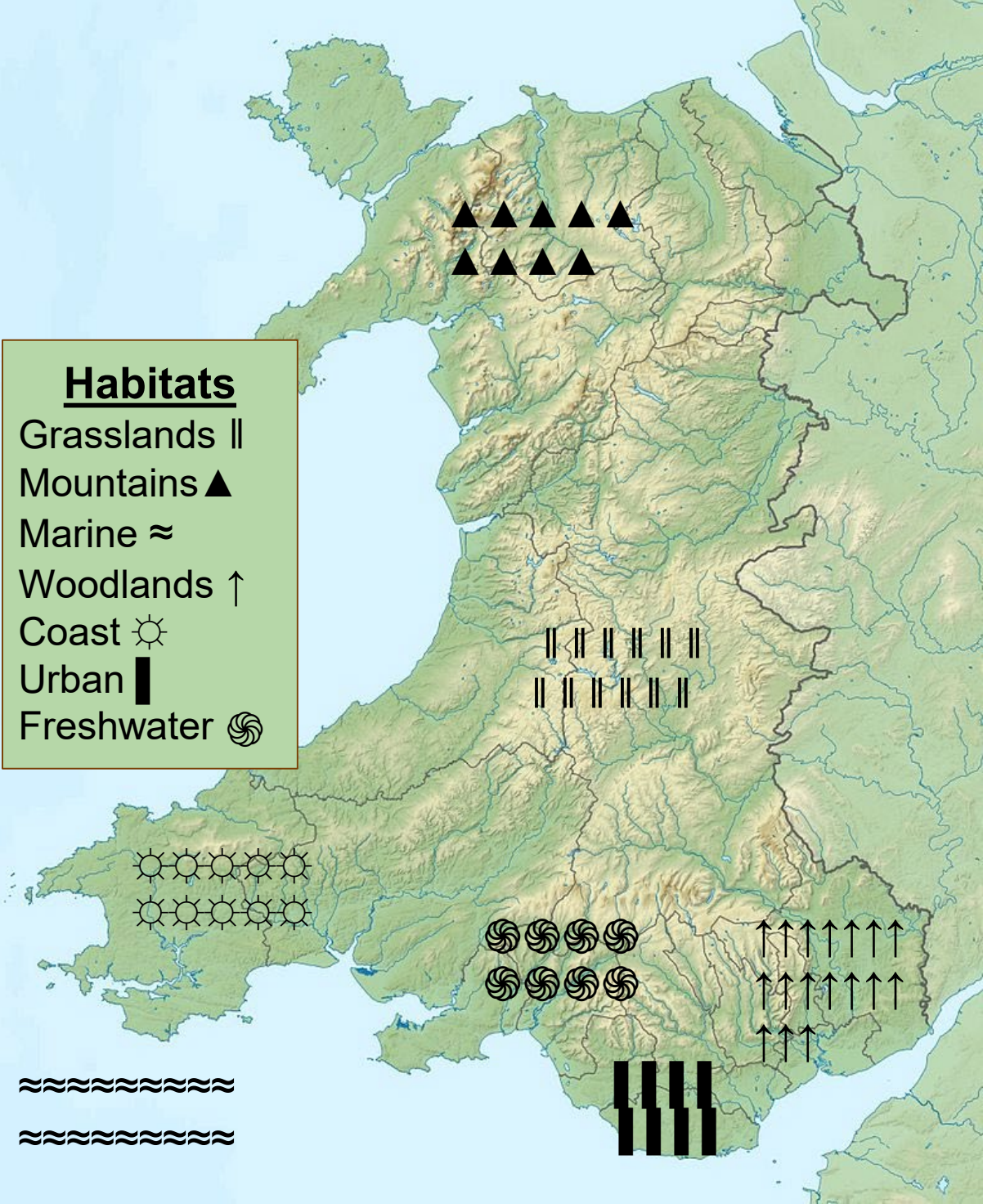
Coast ☼

Urban ■

Freshwater ☼

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Grasslands II

Grasslands

How can we save our grasslands in Wales?

Personally we think the best possible thing we could do to save our welsh grasslands is to leave the nature to reclaim the land.

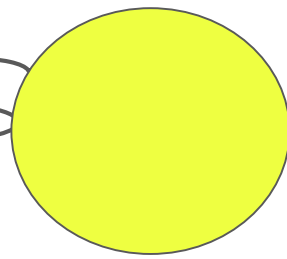
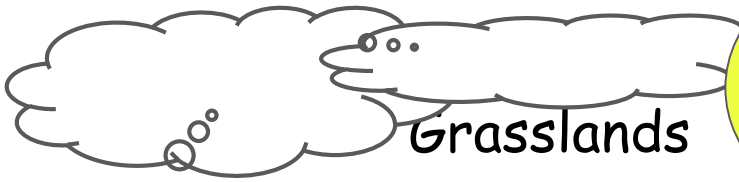
I think we should leave it as it is and let nature do its job of bringing it back.

We thought as a group and give our opinions on how to save the grasslands not just in Wales but all over the world, we need to stop littering and turn it into a crime a drag pollution levels down vastly.



Wales has extensive areas of lowland grassland and heathland and each habitat supports a rich community of plants and animals. Grassland types are varied and include lowland meadows, calcareous, acid and neutral grasslands.

Nearly two-thirds (63%) of the land on farms in Wales. The remaining land comprises new grassland (9%), rough grazing (13%), arable crops (6%) and other land (9%).



Grasslands are usually found where there is not enough regular rainfall, to support the growth of a woodland, but not as little as a desert these conditions cause grasslands to thrive day in and day out.

Fun Fact:

Grassland are usually found between a desert and a woodland that is pretty odd! Around 20-40% of the Earth's land is grassland! WOW!



A grassland is an area which the plant life and vegetation is completely dominated by countless different grasses. Rainfall is insufficient to support tree growth, that means there is not enough rain to make trees thrive and grow in the right conditions. There is at least 57 countries identified that have grasslands. If global warming continues this way it could dry out most of our wonderful ecosystems and they could even be destroyed, that's why global warming is a issue that everyone needs to join in to prevent, from taking our beautiful national grasslands away from us!



Gracious Grasslands Poem!

The gracious grassland is a fun fair of full wonders,
Wonderfully she stands waving her hands in the winds,
Someday maybe sprouting a tree instead of just graceful
grass excitedly waiting for the day she thinks is going to
come,

The grassland waits patiently for years she looks to her
friends and realize what wonders it will bring once she gets
the privilege to get her first tree, she waits, waits and
waits but the day never comes she sobs out of sorrow as
she realizes , why?

Now the grassland remains one with its wonderful hands,
now the hands no longer wave in fact she hasn't waved to
someone in hundreds of years she just sits there knowing
the day will never come!

Miserably, she takes one last glance at the landscape of a
lifetime and takes it all back years of her life wasted with a
grudge when she could of just let it go but she has wasted
her precious time if she hadn't been hiding she would of
realized the wonderful woodland on top of her!

Local grassland-caerphilly wales

glaswelltir lleol-caerffili cymru



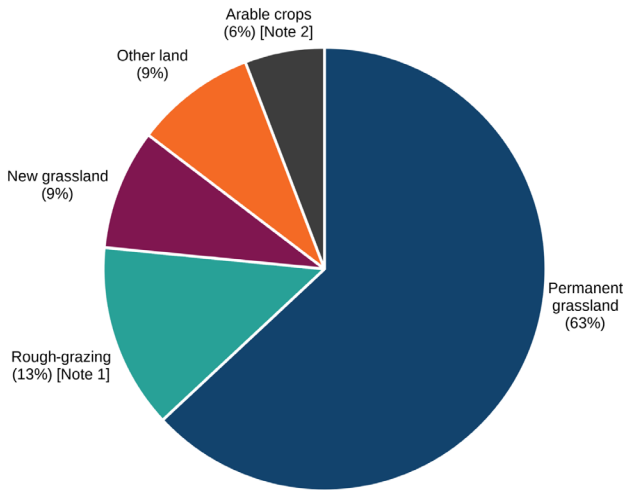
Aberbargoed

Aberbargoed grassland national nature reserve is a site of scientific interest. It is protected of a site of european importance for the large population of marsh fritillary butterflies and its purple moor grass.





Statistics on grasslands in Wales



These statistics show that most of our land is permanent 63% then 13% of the land is rough-grazing also new grassland is 9%, other land is also 9% and finally arable land is 6%

Lowland semi-natural grassland in the UK includes a range of well-known habitat types. Lowland calcareous grassland is found predominantly on chalk or limestone, whereas Lowland dry acid grassland is associated with acid rocks, sands or gravels, or heavily leached soils in the upland fringes.

What are grasslands used for?

Most grassland is used for grazing and agriculture, and some is used for recreation, such as in parks and sports fields. 'Unimproved' grasslands are areas that have never been ploughed, reseeded or heavily fertilised.



This is a picture of the
grasslands with the
luscious plants, trees and
animals with the Sun
too.



The wonders of the green,
It was lovely and clean,
But the lands are full of cranes,
And it is like the builders have no brain,
It will never be the same,

After the grasslands were destroyed



Before the grasslands were destroyed



Grasslands can have rolling
hills, bluffs and even mountain
steppes all covered in grasses.
They can go on for hundreds of
miles in every direction, making
it look like you are standing in
an ocean of grass.



How we can save our last remaining grasslands!

Firstly what is even wrong with our grasslands? Well, our grasslands have been pushed to the brink by us. Humans. This is because we often tear up these brilliant feats of nature in order to make room for a brand new housing estate, and that is how grasslands got so scarce. In fact they now only cover 20-40% of all the land on Earth.

Why must we save our grasslands?

There is no nice way of putting this, after a matter of time we would simply all just die out if the grasslands were extinct. We would live for a short passage of time due to the trees until we finally run out of oxygen.

How can we save our last remaining Grasslands?

In a perfect world I would never have to talk about this but as it happens I do. In my mind the best way we could save our grasslands is the direct opposite way lwe ruined them. We must simply just leave nature get back in the driver's seat and do what it does best. GROW.

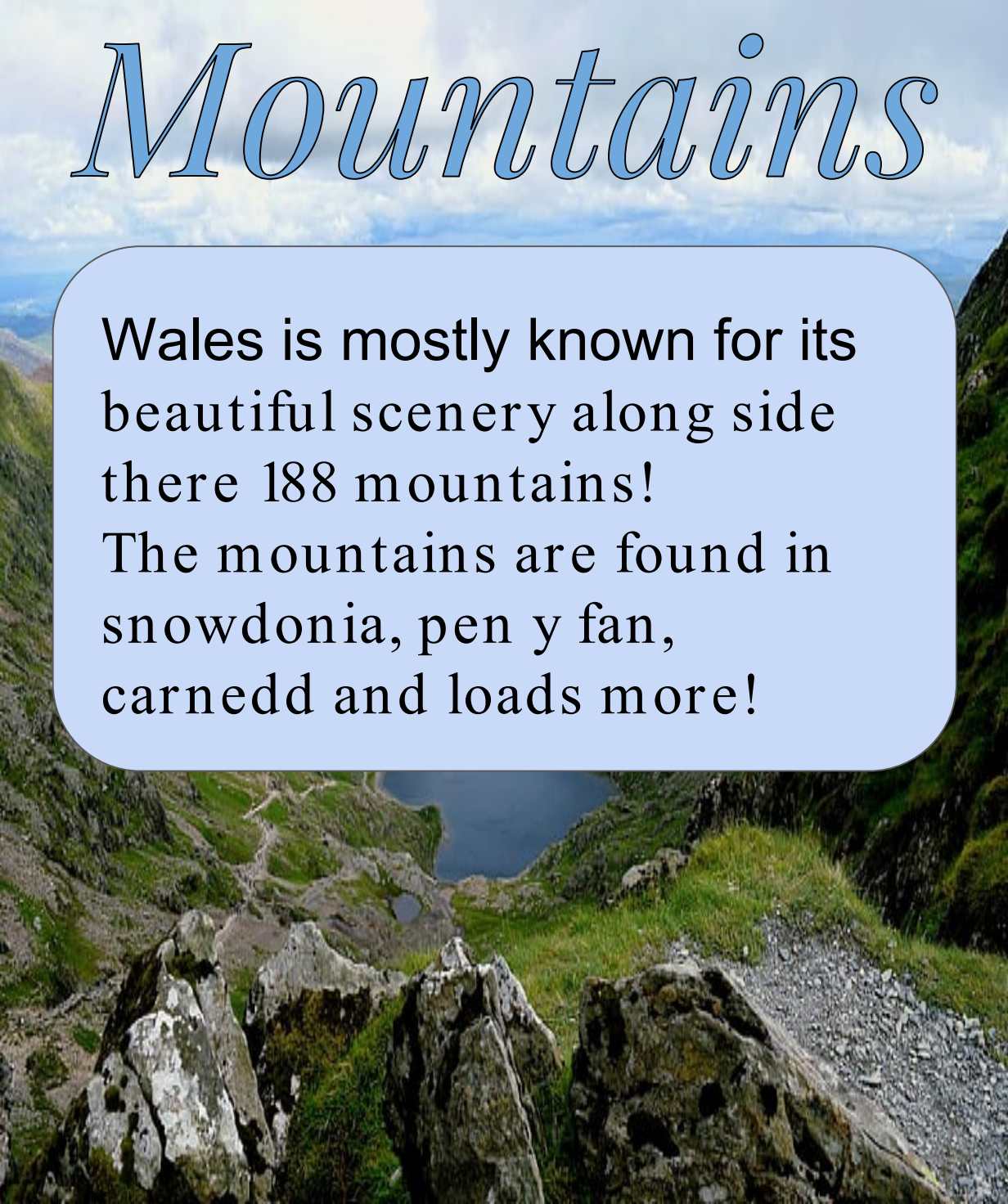


Mountains

Mountains

Wales is mostly known for its beautiful scenery along side there 188 mountains!

The mountains are found in snowdonia, pen y fan, carnedd and loads more!



Tallest Mountains in Wales

Snowdon 1,085 (3,559 ft)

Pen y fan 886m (2,906 ft)

Carnedd Llewelyn- 1064m (3,490 ft)

Glyder fawr- 1,000m (3,280 ft)

Tryfan - 917m (3,008 ft)

Cadair Idris - 893m (2,929 ft)

Waun fach- 811m (2,660 ft)

Fan brycheiniog 802m (2,631 ft)

Yng Nghmru, mae Mynyddoedd talaf

P1

Gelert

*Hunting round brings me joy
Getting ready to destroy
Hunting round makes me cheerful
Whilst being fearful
Hunting round is my plan
Whilst being beside my man*

*Out of nowhere fear struck
An enemy appeared which was just my luck
Menacing, dark and bigger than me
He came hunting for the baby but protection was
key
Feeling frightened feeling scared
My duty is to protect and be prepared*

P2

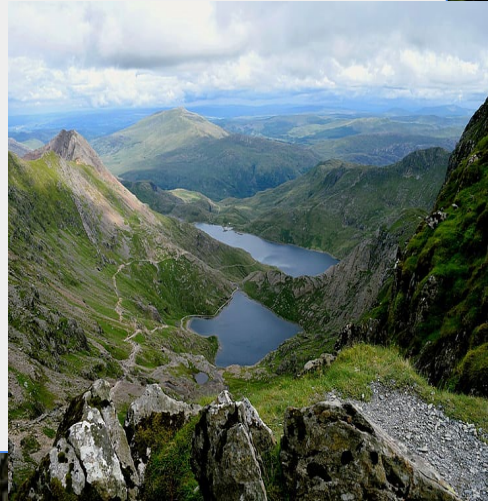
Gelert

Emerging closer ready to attack
The wolf then gave me quite the smack
I was failing my duty to stay strong
He hit down the crib which was very wrong
Crying, screaming cold on the floor
I knew what i had to do before he came through the door

As he came through the door
He saw blood on the floor
He stabbed the hound
As it fell to the ground
He saw what he'd done
And that he'd won

Famous Mountains in Wales

Snowdon or Yr Wyddfa,
Pen Y Fan, Ysgyryd Fawr,
Carnedd Llewelyn,
Glyder Fawr, Moel siabod,
Tryfan, Foel Cwmcerwyn,
Cadair Idris,
Waun Fach,
Fan Brycheiniog,
Penygader.,



Snowdon or Yr Wyddfa

Snowdon or Yr Wyddfa is in North Wales it is 3560 feet it has an elevation of 1085 meters above sea level which makes it the tallest mountain in wales. It is also the most famous mountain in wales. It usually takes between 4 to 7 hours to walk up snowdon.

Our Drawings!



Monstrous Mountain

The monstrous mountain in all his glory looks upon his realm from a castle millions of miles above the clouds. For his head always dreams and dreams.

He grows long flowing white hair more and more every winter. For years he was hurt for humans took away the materials he kept safe humans take what they please.

His trusty companies sore above his head what and watching for prey to snack upon

He grows long flowing white hair more and more every winter. For years he was hurt for humans took away the materials he kept safe humans take what they please.



Marine ≈

By Imogen year 7, Brooke year 6, Nina year 6

Marine life in Wales

Welsh marine species

There are many different species of animals some examples are...

- Sunfish,
- the blue shark
- pink sea fan
- Orca whale
- Harbour porpoise
- Fin whale
- cuckoo wrasse.

One of the oldest
welsh species was a
clam!!

Un o'r rhywogaethau
Cymreig hynaf oedd
cregyn bylchog!!

Plastic Pollution

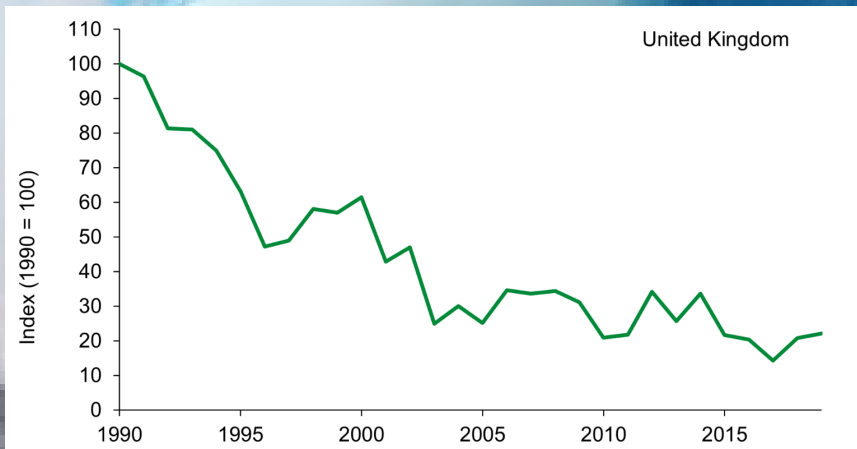
Marine life in wales is beautiful but also in desperate need for help because of climate change. If we keep going like this there will be no welsh marine life left. Not many people recycle and even if one person starts recycling and convinces others to do so, it could impact their community massively in terms of the wildlife.

Its hard to believe that some animals in Wales are endangered such as angel sharks, Pink sea fan, european eel and many more because of the plastic we are just throwing into the ocean without seeing the outcome.

AILGYLCH!! ~ RECYCLE!!

Pollution and its effects on animals


As we know and pollution is becoming higher and higher and animals like ynys seinol ~ puffins and other animals such as fin whales and blue sharks are all critically endangered species that live in great Wales if you look at this chart showing pollution in Wales. A puffin's diet largely consists of sand eels and herring, but warmer seas are causing mismatches between peak populations of these fish and puffin breeding seasons, which is leading to poor chick growth. In addition to this, human factors such as overfishing are also having dire consequences for puffins.



Effects of climate change around Wales and what we can do to help

Be careful when shopping try choosing sustainable seafood and buy a reusable bag since plastic is one of the major problems with marine pollution. As individual people we can't solve all pollution but we can make an improvement our earth all together. Use Less Energy. Choose energy efficient light bulbs and don't overset your thermostat. Under the Marine Act, new sites have been introduced called Marine Conservation Zones (MCZs). Within these zones, no extraction of resources nor deposition is allowed and all other damaging or disturbing activities are banned.

**Never refuse to reuse ~ byth
yn gwrthod ail ddefnyddio**



The Welsh territorial sea almost doubles the size of Wales.

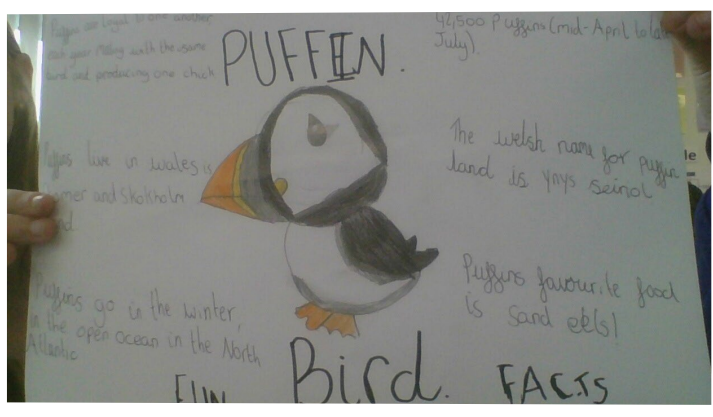
Did you know that there are whales in Wales? There have been several species spotted in Welsh waters over the years, including humpback and fin whales, however, the minke whale is the most common.

Fun facts

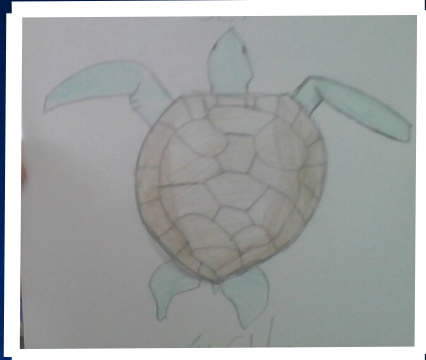
Ffeithiau hwyliog

Porpoises are generally small (less than 2.5m long); they live in coastal, offshore and some river habitats. They have blunt heads, without distinctive beaks, small triangular dorsal fins - except the finless porpoises who don't have a dorsal fin at all.

Covering 15,000km², Wales is home to a vast array of habitats and species, supporting internationally important populations of species including Manx shearwaters, Atlantic grey seals, and bottlenose dolphins.

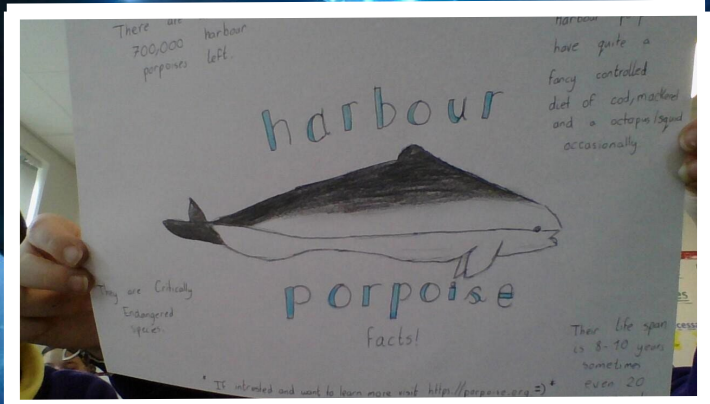


Brooke year 6



Brooke year 6

Art of some wildlife around coastal areas



Nina year 6

Famous people who have helped try and stop pollution

In 1998, at the age of 24, DiCaprio established the Leonardo DiCaprio Foundation (LDF) with the purpose of raising awareness about environmental issues threatening the health of the planet and to date, has awarded over USD \$80 million in grants, funding 200+ high-impact projects in 50 countries. David Attenborough has raised millions and has done multiple nature documentaries and started and supported other charities. Even more celebs are backing the challenge, with big names like Bishop Rose Hudson-Wilkin, baker and author Martha Collison, children's TV presenter Gemma Hunt and brand founder and author Liz Earle getting involved.

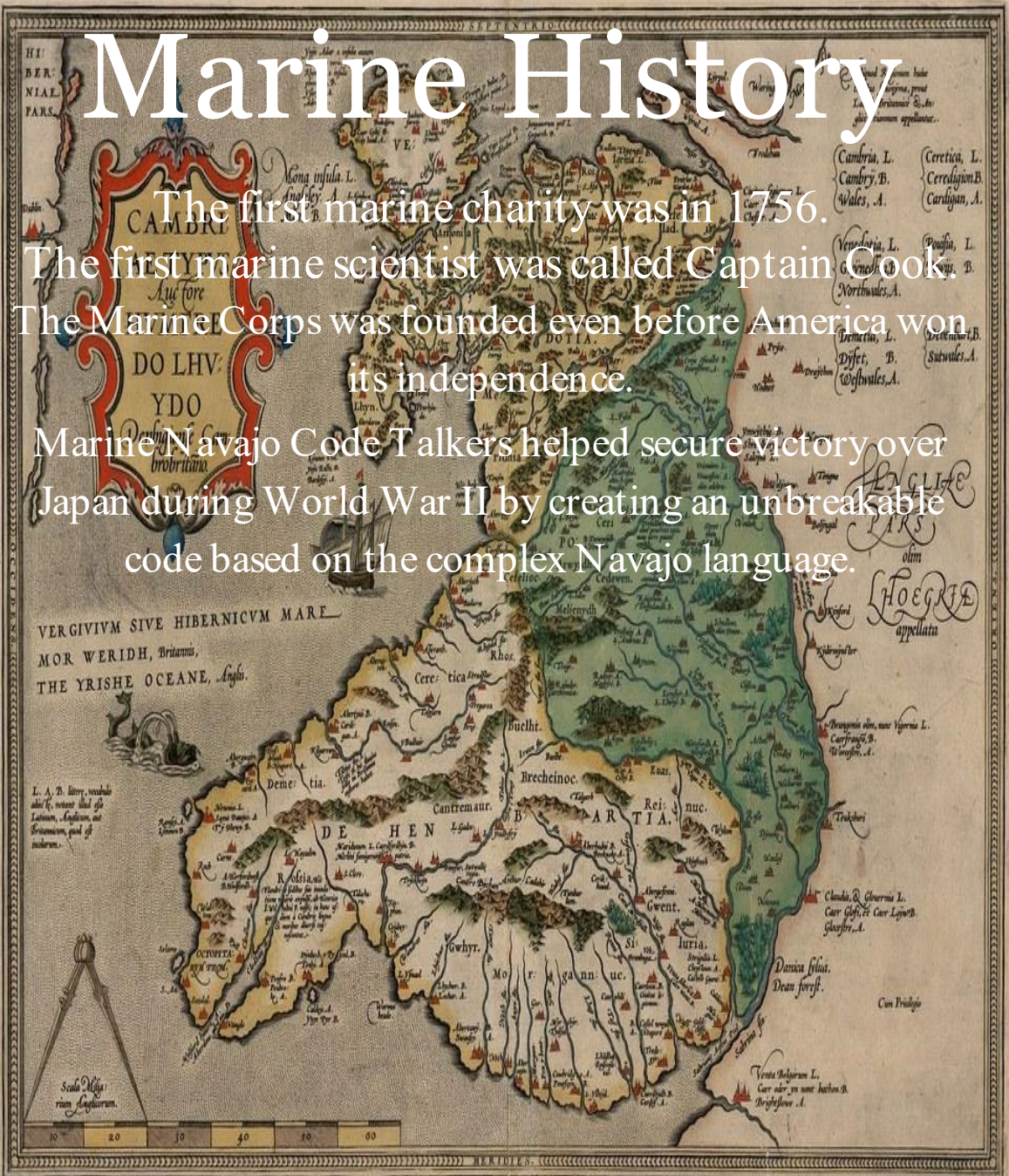
Marine History

The first marine charity was in 1756.

The first marine scientist was called Captain Cook.

The Marine Corps was founded even before America won its independence.

Marine Navajo Code Talkers helped secure victory over Japan during World War II by creating an unbreakable code based on the complex Navajo language.





Woodlands ↑

Isla Davies, Amelia Chandler, Kitty Rose, Millie Ridge

Coetiroedd
(Woodlands)



Terrified trees



In 2022-23 numbers of secondary fires increased by 6% compared with 2021-22, to 6,871. Compared with the previous year, only Mid and West Wales saw a decrease in secondary fires (down 10%). Numbers in North Wales rose by 18% and in South Wales they went up by 11%. Many species, including birds, mammals, reptiles, and insects, rely on forests for food, shelter, and breeding grounds. Wild fires are most popular in Rhigos, Garw, Blaenllechau, Ogmere Vale, Nant y Moel, Llanwynno, Penhydd, Blaengarw.



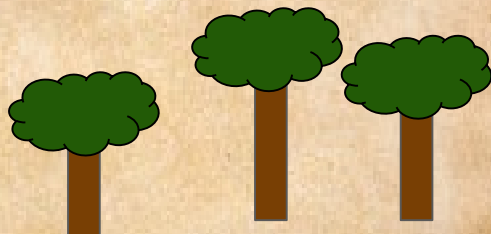


Wonderful



woodland statistics

Between 2021 and 2022 Wales has lost 15% of our tree cover age.



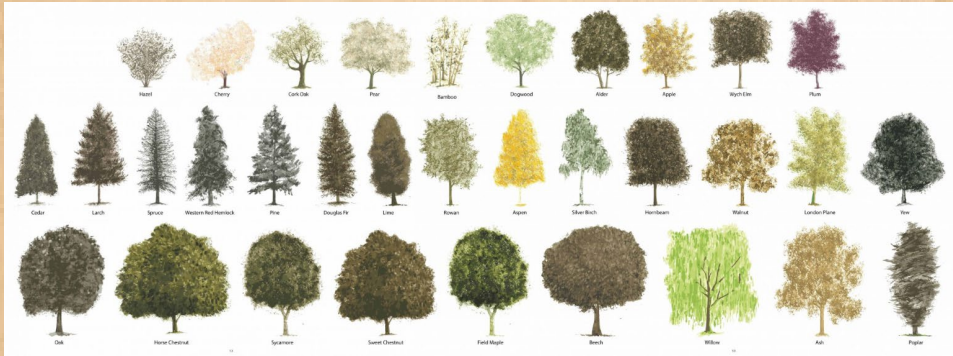
Since 1994 Wales has lost 20% of freshwater and land animal species.

Some of the most endangered species in Wales include; The red squirrel, pine martens, hedgehogs and more.





♥ Terrific trees ♥



Fun facts

- The most common trees are the Oak, ash, beech, sycamore, birch, cherry, hazel, alder, rowan, hawthorn and holly.
- The most famous tree in Wales is Llangernyw Yew.
- The most common tree is the Common Ash.
- The national tree of Wales is The Sessile Tree.
- The most rare tree in Wales is The Ley's whitebeam.
- They've taken a tree to the moon as a tribute to astronaut Roosa and the Apollo program.



W oodlands of N ature

Calm serene spaces,
Outstanding nature reserve,
A place of magic.

Creatures love crawling,
In the crunchy autumn leaves,
To stay out of sight.

Dark places to hide,
A place to take great care of,
W oodlands of nature.





♥ This is a pine marten. ♥



Klitty-Rose

Achub Ein Coetiroedd !
(Save Our W oodlands!)





How are wildfires caused?

Most wildfires are caused by weather and arson.



Weather:

The sun's rays become too warm and burn dried plants and trees, causing a fire to spread.



Arson means when someone will light something on fire on purpose.





The Coast of Wales

Jack, Caeson,
Freya

Coasts of Wales ⚙️



There are a wide variety of beaches in Wales like Tenby, Anglesey, Llandudno and Barafundle Bay.



Environmental issues and solutions



20% of the population and 1 in 6 buildings are at risk of being flooded by coastal flooding or rivers. We can prevent this by building structures that will stop flooding.

Welsh culture and heritage

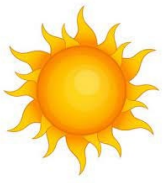


Culture

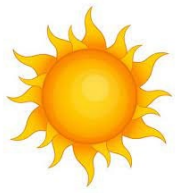
Pembrokeshire which is a town near the coast of Wales has a very diverse culture which was shaped by lots of attacks over the years

History

Wales coastal paths started at the 5th of May 2012. It is also 870 miles long. Before the Norman conquest the whole area of Pembrokeshire was Welsh speaking.



Fun facts



- . It would take you around 6 to 7 weeks to walk across the welsh coastal line.
- . The pembrokeshire coastal path opened in 1970.
- . Pembrokeshire coast is one of the smallest national parks in the UK.
- . Nowhere in the pembrokeshire national park in 10 miles away from the sea.
- . Pembrokeshire national park is the only national park in the uk designated for its coast.



Quiz time

What is the most popular beach in wales ?

Harlech
Beach

Barafundle
Bay



Correct

Harlech Beach is the most popular
Beach in Wales.

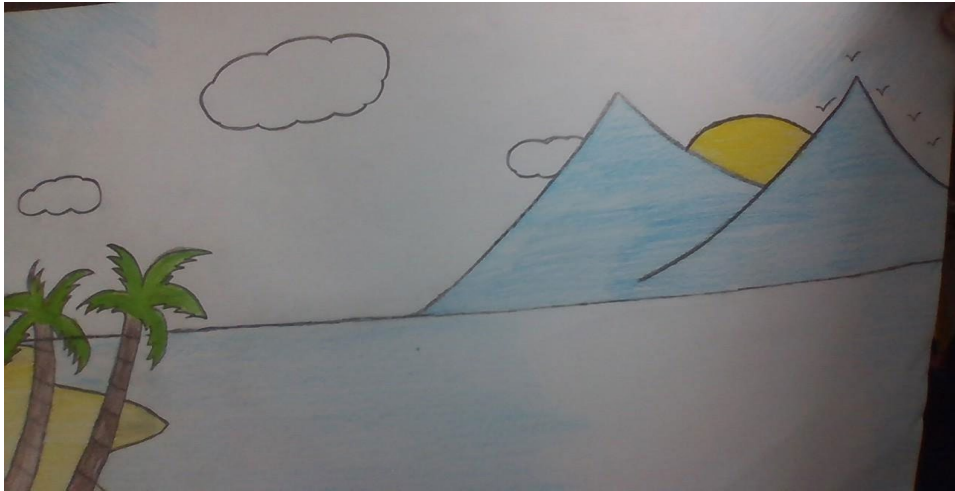


Incorrect

Harlech beach is the most popular beach in Wales.



Caeson and Freya's beach landscapes





Urban

Top 10 Most Populated Urban Areas In Wales

- Cardiff (348,535)
- Swansea (170,085)
- Newport (130,890)
- Barry (56,605)
- Bridgend (51,706)
- Cwmbran (47,090)
- Wrexham (44,785)
- Llanelli (42,155)
- Neath (40,730)
- Merthyr Tydfil (39,535)



Facts About Cities In Wales

- Cardiff / Caerdydd
- Swansea / Abertawe
- Wrexham / Wrecsam
- St Davids / Dewi Sant
- Newport / Casnewydd

Cardiff

Cardiff is the Capital of Wales and is quite a well-known place, but what does help bring popularity is sport.

Rugby and football are the most popular sports in Wales. The Welsh Rugby and Football team both play their home games in Cardiff, the rugby team play in the Principality stadium and the football team play in the Cardiff City Stadium.

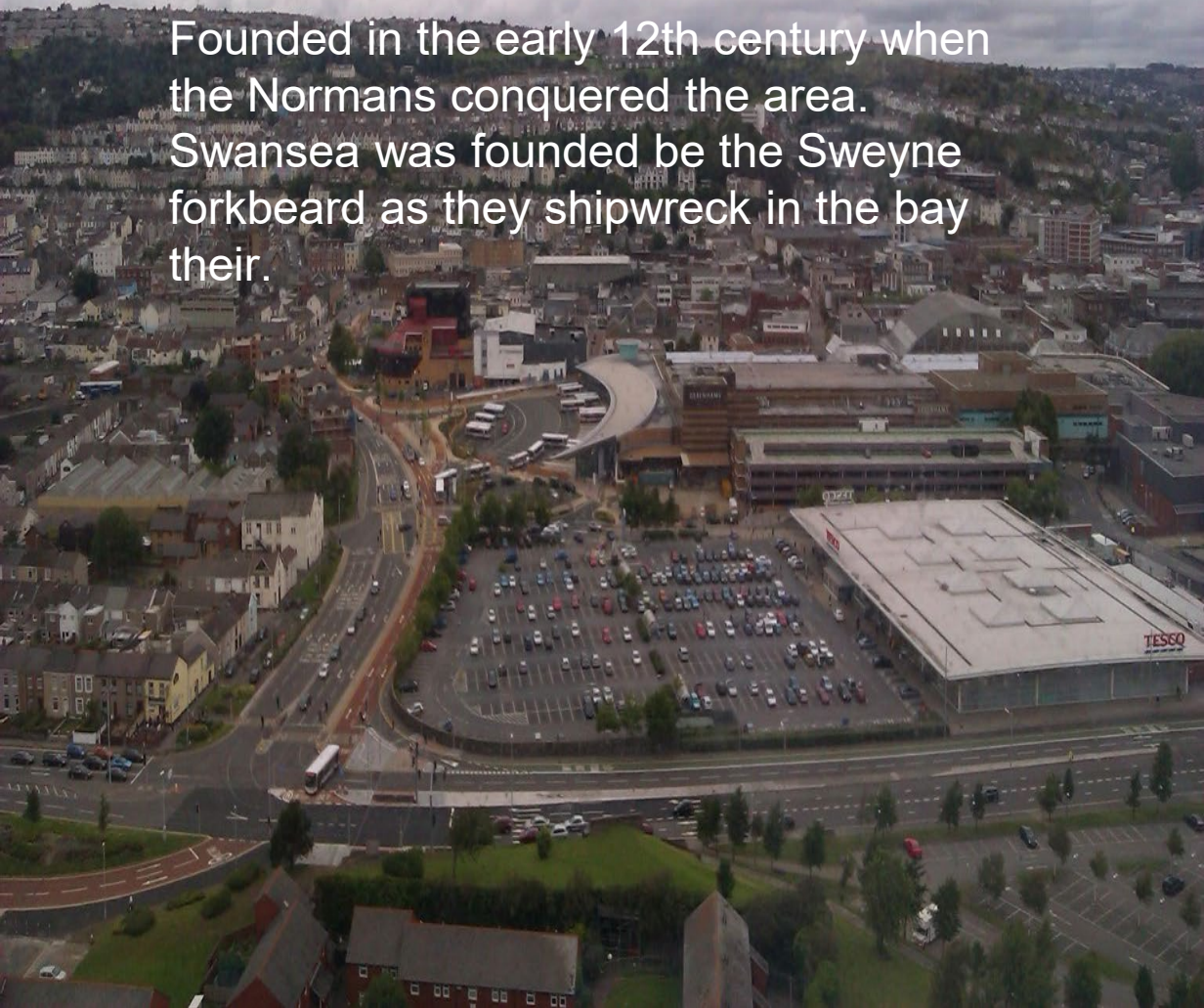
There are few of famous sports people from Cardiff like Gareth Bale and Ryan Giggs but there's also one of the most famous author ever, Roald Dahl.

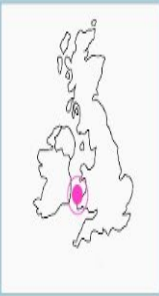
Swansea

History

Founded in the early 12th century when the Normans conquered the area.

Swansea was founded by the Sweyne forkbeard as they shipwreck in the bay their.





St David's

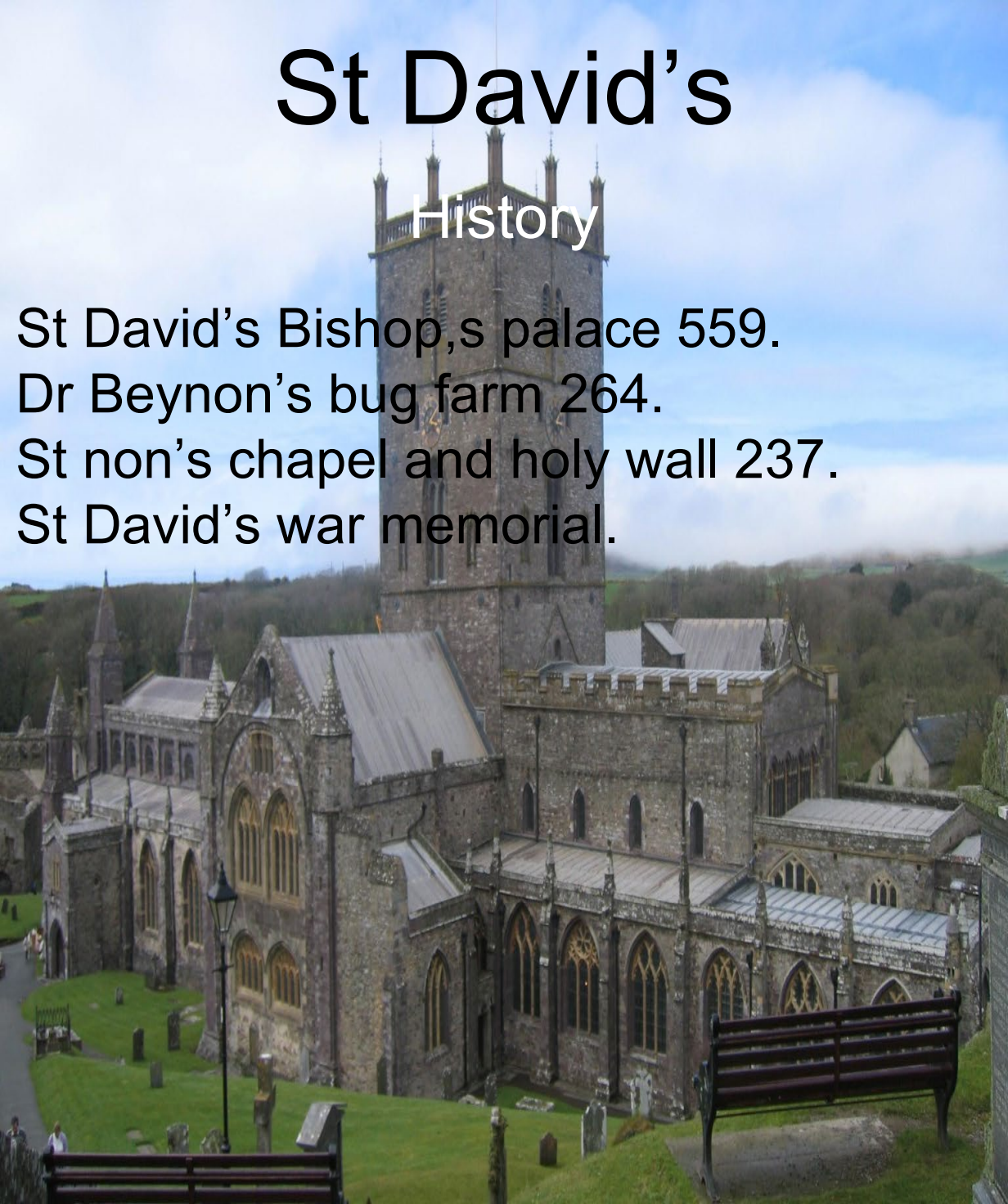
History



St David's

History

St David's Bishop's palace 559.
Dr Beynon's bug farm 264.
St non's chapel and holy wall 237.
St David's war memorial.



Newport

History

The Gear's cemetery is the oldest in Britain and links to the Romans.

Newport dock links to world war 2.

Tredegar House.

Newport castle.

Newport Cathed.

Caerleon ruins.

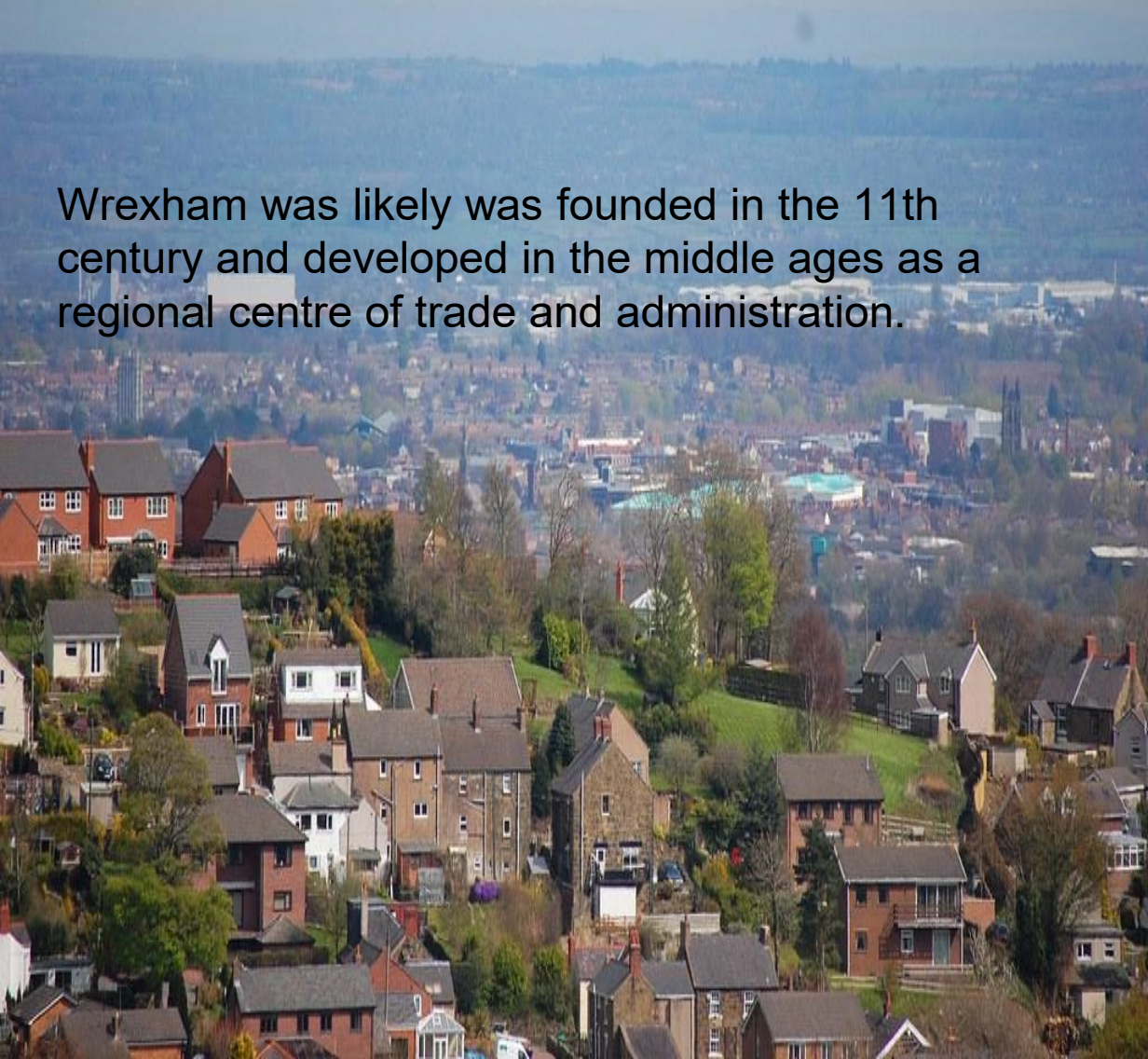
DEAF AND DUMB ASYLUM, NEWPORT.

London: Published Jan. 2, 1842, by W. H. Murray & Co. Stationers & Printers.

Wrexham

History

Wrexham was likely founded in the 11th century and developed in the middle ages as a regional centre of trade and administration.






Freshwater 🌀

Dwr croyw



The background of the entire slide is a close-up photograph of numerous seashells in various colors including red, orange, yellow, green, and blue. A single green starfish is positioned on the left side, partially overlapping the heart-shaped text box.

Freshwater East has a history dating back to the Iron Age, with the remains of a fort at East Cliff.

Freshwater East became a popular recreation area in the nineteenth century with the growth of the Naval Yard at Pembroke Dock.

The dune system here was put under severe environmental pressure by plot development between World War One and World War Two and by mass tourism.

During the 18th century, Freshwater East was a stopping off point for coastal shipping requiring water and it also achieved notoriety for smuggling with contraband being stored in the cliffs.

Freshwater West is on the south-west tip of the coast, close to the village of Castlemartin and, towards the north, Angle.

Freshwater east has a population of just 250 people!

A famous movie was shot on freshwater west!

Freshwater East is a village in Pembrokeshire, Wales. The majority of the village is on a cliff overlooking a bay. It is approximately 7 miles (11 km) from Pembroke by road, and 2 miles (3.2 km) south of Lamphey, and is in the parish and community of Lamphey. Freshwater East is the site of a Green Coast Award Beach



Here is a website about the wonderful freshwater of Wales
[https://www.visitpembrokeshire.com/explore
pembrokeshire/beaches/freshwater](https://www.visitpembrokeshire.com/explore/pembrokeshire/beaches/freshwater)



What is freshwater

Fresh water in wales is a part of the sea without a lot of salt. There is a village next to the freshwater with 250 people living there. The water is safe to swim in and is a great surf spot.



This is a drawing of the fresh water sea

Did you
know?/Oeddet
ti'n gwybod?

The beach scenes
with Dobby the elf
were filmed on the
beach and "Shell
Cottage" was
constructed at the
foot of the sand
dunes!

It was also a filming location
for the final two Harry Potter
films; Harry Potter and the
Deathly Hallows – Part 1
and Part 2.

Haiku poem:

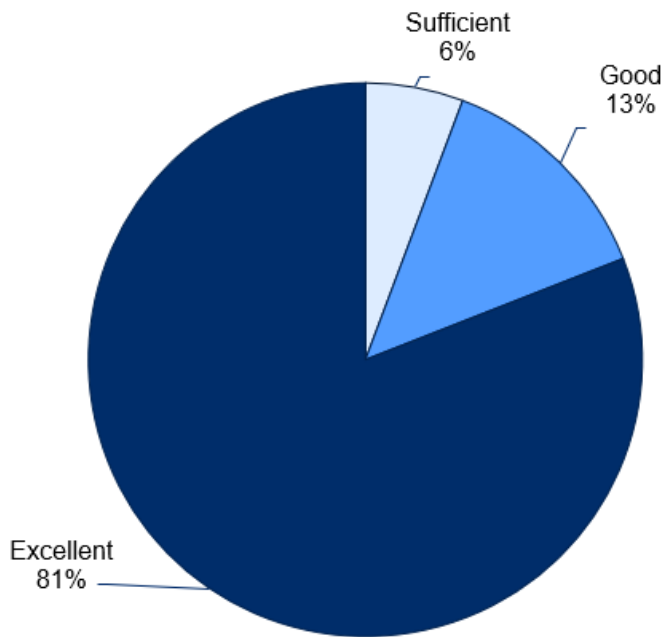
Harry potter plays

Acting on the
west coach
beach

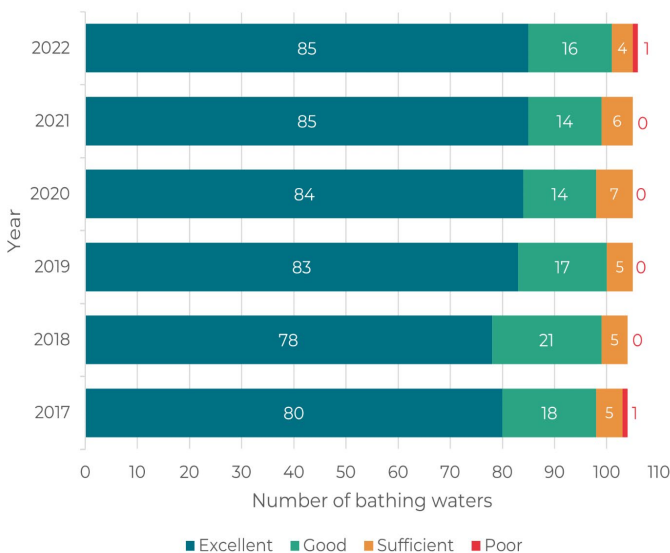
Wales took no
praise



Chart 2.1: Bathing water quality, percentage of designated sites, 2021



Source: Natural Resources Wales Bathing Water Quality Report 2020



EARLIER this year, it was announced that six of the UK's most polluted rivers are in Wales, with the Usk and the Wye both high on the list after failing to meet phosphate targets in 2022.

In Wales, only 44% of rivers are achieving good ecological status under the Water Framework Directive 2018 interim classification.

WELSH POEM

In the valleys deep, where mountains rise,
Welsh freshwater gleams beneath clouded skies.
A dance of waves on a swishing lake,
Whispers of tales, stories to take.

Snowdon's crown to the valleys of cymru,
Sing and flows as smooth as honey.

Through green green grass and famous welsh singers,
Welsh freshwater hums like hypnotizing ringers.

Welsh lads, out for a fish
On the edge of their boats, the freshwater hits.

A symphony of nature, where the water glides,
Silver streams in the river, ease our minds.

The freshwater cools and refreshes the welsh,
So all the welsh ladies and lads can keep their good health..

Here's a trusted website for you
to get more info on freshwater!

Freshwater

It will tell you most
of what you need!

