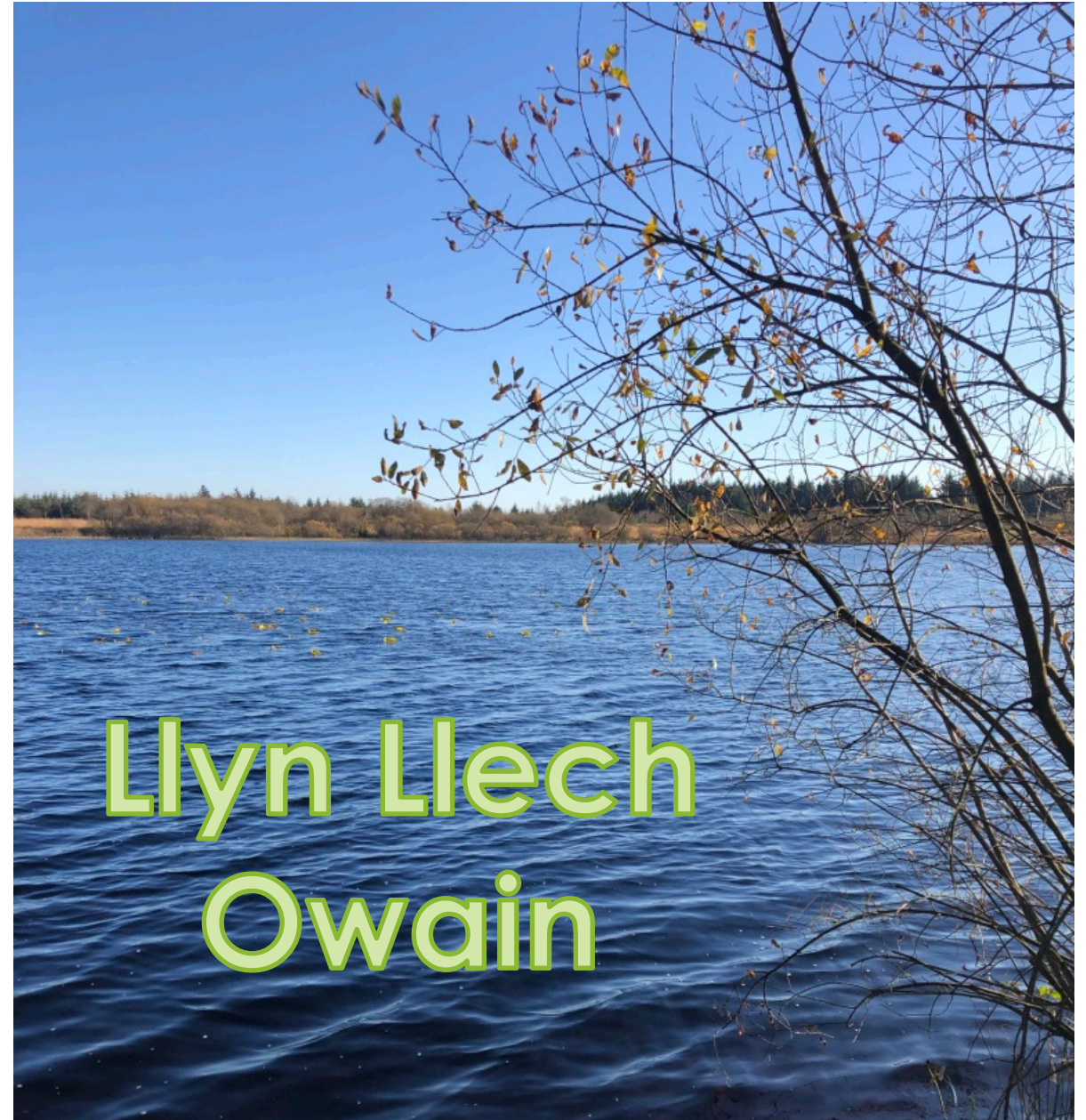




John Muir Award

Ffion Howells
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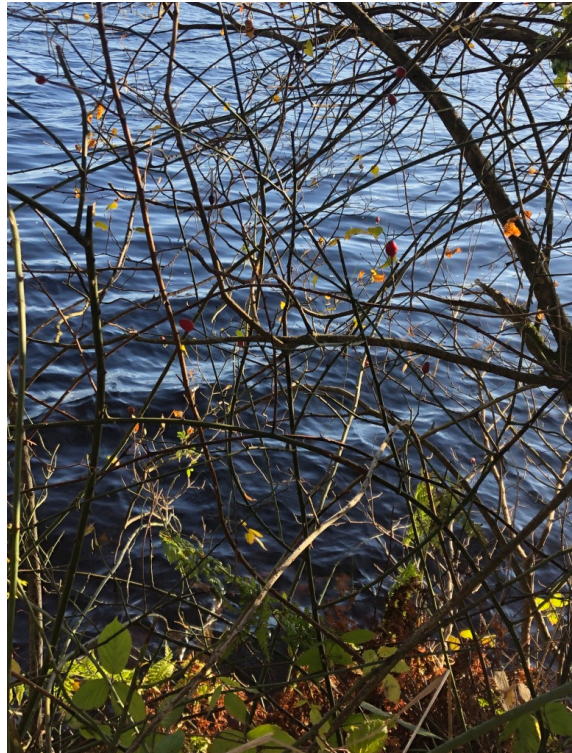




Llyn Llech Owain...

Llyn Llech Owain country Park is an area of 73 hectares, which at the center of the park is a lake which is surrounded by peat bog.

There is a track around the forest where you can walk, ride a horse or use a bike and its very popular with dog walkers as well as families.



What can we see at Llyn Llech Owain?



Birds at Llyn Llech Owain



Wobler



Black Bird



Blue Tit



Cuckoo



Robin



Woodpecker

Birds are important as they keep the systems in balance. They help to control pests, they pollinate plants and disperse seeds. They recycle the nutrients back into the earth.

They occupy many levels of trophic webs, from mid-level consumers to top predators. They help maintain sustainable population levels of their prey and predator species and, after death, provide food for scavengers and decomposers.

Some birds are considered keystone species as their presence in an ecosystem affects other species indirectly. Woodpeckers create cavities that are then used by many other species.



We Can Hear and See These Birds.



Wildlife at Llyn Llech Owain



Snails are very important as they provide food for all sort of mammals, birds and insects and they are part of the natural balance.



Ducks are able to maintain the diversity of other organisms, control pests and be effective bioindicators of ecological conditions.



Worm

Worms help to increase the amount of air and water that gets into the soil. They break down organic matter (leaves, grass) into things that plants can use. Worms can be found underneath anything damp such as logs/rocks or in bodies of water in the mud.



The frog is very important to the food chain as both a predator and a pray. As a tadpole, they feed on algae which helps keep the water clean, and once full-grown into a frog, they feed on insects which helps control the bug population.



Butterflies are attracted to bright flowers and feed on nectar. when they do this they collect pollen and carry it to other plants.



They have permeable skin and dual life in and off land so frogs are the go to species to figure out how an ecosystem is doing. Scientists often look at frog populations in order to figure out how healthy the environment is.



Trees and woodlands can make a positive difference to our lives and to future generations. Woodlands improve the quality of our drinking water. The woodlands and their soils also important reserves of carbon. There are trees such as pine trees, holly trees oak trees and many more here.



Tree's being cut down



From the pictures above, you can see that areas of coniferous woodlands are being cleared progressively to be converted to heathland and broadleaved woodland.



What is or can be done to
conserve this area?

Here is a bird feeder that I have made



From exploring up Llyn Llech owain, I was not able to see the birds but I was able to hear them clearly. I believe that from putting bird feeders up in the park, it will encourage the birds to come lower down in the trees, where children will be able to see them and learn about the different species of birds that are around.

I have made my bird feeder out of some recycled materials. Two plastic bottles, a paper plate and then I have used glue to stick it together and added bird food.

Work has taken place to restore the rare bog habitat at the park...



The reason that this is being done is to improve the degraded bogs which have been affected by tree planting. This is to restore the fragile bog community and sphagnum moss that needs wet conditions to thrive.

The bogs are full of wildlife, and also help mitigate climate change by storing carbon in peat as well as being home to a range of rare plants. (The work is being carried out by Carmarthenshire County Council)

The rare habitat is a designated a site of special scientific interest (SSSI)

These paths put here by the council mean the other area's can remain untouched and unspoiled.



(Sphagnum moss)



How is the area being conserved already and how am I conserving



There are plenty of bins throughout the area, with an option for recyclable rubbish or non recyclable rubbish.

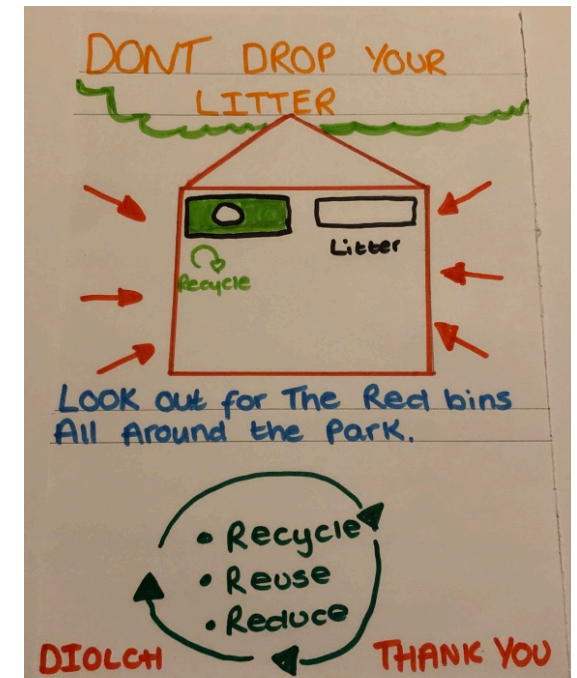


But even with all of the bins, litter is still being dropped continuously which ruins the scenery and is a threat to the wildlife.



The coffee shop is trying to become more sustainable by offering reusable mugs for hot drinks.

Here is a poster that I have created which is colorful and attractive for people to look at so they know that there are bins all around the area and they don't need to drop their rubbish on the ground.



Here is a story that I have made to try and inform children on the importance of picking litter up



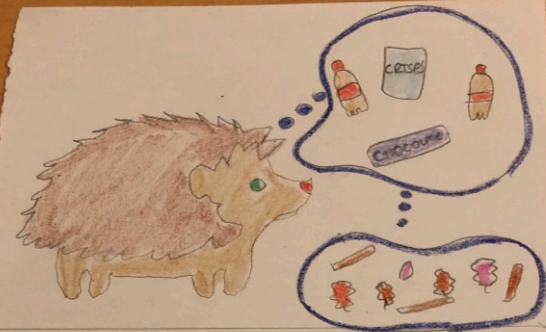
Mr. Hedgehog is trying to find leaves and branches to build his home ready for the winter.

But there is rubbish all over the ground which makes Mr. Hedgehog sad.



Mr. Hedgehog spots someone. 'excuse me, what's your name?' he said

'Ella replied the girl. you look sad is there something wrong she asked.



yes I am very sad. There is rubbish everywhere which means I can't find any leaves or branches to make a house for the winter Mr. hedgehog said.

Can you help me clear the rubbish please?



Yes, of course said Ella.
She ran and got a litter
picking stick from her Dad
and put all of the rubbish
in the bin.



Now that the area was
nice and clean... within
a few hours Mr. hedgehog
had...



Built a nice and warm
home for the winter.
He thanked Ella and said
She was his new friend.

So remember... Pick your
rubbish up so Mr. hedgehog
and all the other animals
can be happy.