



Bayside's Green and Clean 🌹 🌻 🍀

Green Code It's our duty to protect nature's beauty

Bumper Issue 2: Energy

Spring 2024

This issue marks an exciting new partnership between 6th class editors Oisín, Ava and James with 3rd class editors Josh and Daniel. We hope you enjoy the read and learn lots-we did!

Notes from the editors: We now know that the people of the world need to lower their use of fossil fuels as a source of heat and energy.

Here we will explore 5 types of renewable energy in use in Ireland today.

NATIONAL NEWS

1. Wind Energy

Breaking news: According to a recent RTÉ reports, about a third of Ireland's energy comes from wind power.
Local news: Down in Father Collins park, Donaghmede they are taking down some wind turbines. The turbines cost €1.5m per turbine, in total all of them cost €20m. Dublin county council think that they are becoming inefficient.



What do you think they should replace them with? 🤔

2. Solar Energy

Many people now have solar panels. The Irish times reports that almost 60,000 houses have solar panels installed in Ireland. Editor Oisín reports that his grandfather has an EV (Electric vehicle.) which he charges using power from the solar panels on his roof!



So now, do you want solar energy to power your house and many other electric items? 🤔

3. Energy

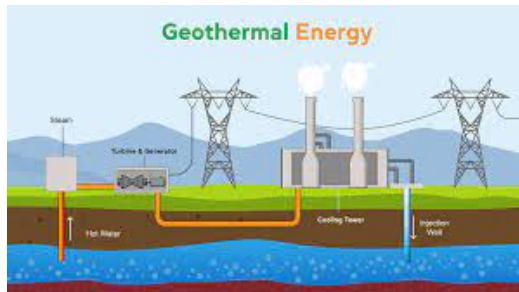
Have you ever wondered how water creates electricity? Almost 100 years ago in 1929, the Ardnacrusha hydroelectric station opened on the Shannon river. It is surprisingly similar to how we generate power from wind. It uses a system of pipes called a penstock to guide the water so it can push a turbine causing the generator to make electricity!



The Ardnacrusha hydroelectric power station.

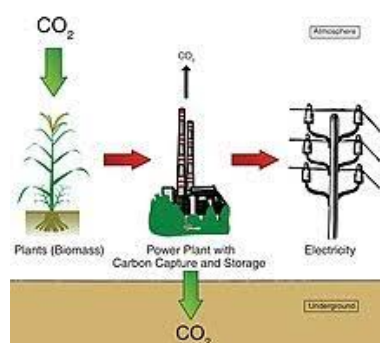
4. Geothermal Energy

Geothermal energy resources can also be found in areas where there is no volcanic activity, far from tectonic plate boundaries. We have geothermal energy in Ireland. Find out more by checking out www.seai.ie



5. Bioenergy

Bioenergy is when we use plants and other organic material to make energy, bioenergy is a form of renewable energy made from when we burn biomass fuel.



Green D.I.Y. art and craft ideas for the Easter Season



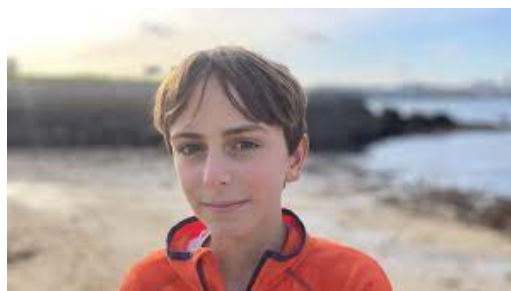
Did you know? The Easter season begins on Easter Sunday and lasts for 50 days!!!

Egg Carton Bunny Craft

Materials: recycled paper egg cartons, scissors, glue, paint orange paper

- 1: Cut out two cups from the egg carton, this will be your bunny body.
- 2: Cut out two longer 'almond' shapes from the egg carton scrapes. These will make your bunny ears.
- 3: Cut out your pieces from the egg carton, paint each piece with white paint or paint it the colour of your choice.
- 4: Once dry, paint a pink stripe on each of the bunny ears. Let dry again.
- 5: Place glue on the inside edge of each egg carton cup and glue these two egg carton cups together to form the bunny body. Then place glue on the bottom edge of your bunny ears and place them on the back edge of the egg carton cup with the pink facing towards the egg carton.
- 6: Once assembled and dried, it is now time to create your bunny's face. First, create two round spots for rosy cheeks. Then place a pink triangle between the two pink circles. Lastly, paint on two black dots for the eyes.

Who is Paddy Shanahan?



He is the winner of the SEAI 2021
(Sustainable Energy Authority of Ireland)

Click on the link below to view an interview with Paddy Shanahan
https://www.youtube.com/watch?v=XlfUDLH4_cl

Then use the space below to record 5 to 10 interesting facts about this amazing Green campaigner called Paddy Shanahan

1.Paddy Shanahan

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