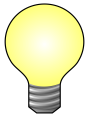




Bayside's Green & Clean

BY 5TH CLASS EDITORS: FIONNÁN, CHRIS, JULIAN, & AARON FROM MS SHARKEY'S CLASS ROOM 3

TERM 2



School Code: It's our duty to protect nature's beauty

FEBRUARY 2025

Note from the Editors

Welcome to this term's Green newsletter . The issue this term is on the theme of Energy.

Fun Green Corner

What do wind turbines think?  do kitchens say hello? Why do fridges make good illusionists?
of renewable energy? They MICROWave They can't move but they are always
They 're a big FAN running



RIDDLES!

I can be a breeze. I can be some kind of typhoon

How did Benjamin Franklin feel when he found

I can dry your clothes if you hang them in rows

electricity?

I am what you call renewable ,happy and free.

Who am I???

ANSWERS ANSWER: ENERGY WIND ENERGY

HE WAS SHOCKED



National and International News

SOLAR PANELS

Who invented Solar panel? Charles Fritts was the creator of solar panels in 1905.

How do they work? When the sun shines onto a solar panel energy from the sunlight is absorbed by the PV cells in the panel. This energy creates electrical charges that move in response to an internal electrical field in the cell causing electricity to flow.

Are they expensive? They can be quite expensive and are priced between 5,000 and 10,000 euro depending on their quality and how many panels are installed. The average price for a typical 3 bedroom semi household is around 7,500 euro for 10 panels. If you get solar panels the government pays you grant money which could be around 2,100 euro depending on how many you get. Also your energy bills will cost less because the solar panels are helping with your energy so you don't need to use or buy as much electricity as you did before having solar panels installed. So are they expensive? Yes, but they would help lower electricity bills in the future.



USE OF SOLAR PANELS IN IRELAND



How many Irish homes now have solar panels fitted? Solar panels are increasing in popularity because they are eco-friendly, cost effective and flexible. Now over 100,000 households have them.

Which country produces the most power from the sun to make electricity? CHINA!!

FUN FACT China produces 77.8% of the world's solar panels.

Did you know?

In Ireland, the 5 most popular children's toys than are non-electric/ non battery operated are

- Lego
- Posca marker
- Bead maker
- Barbie doll
- Hot wheels



Energy and how to save it

- **First of all; turn off any light that is NOT in use.**
- **Wind energy, Hydroelectricity and solar energy are great ways for making energy savings on your bills.**
- **Choose showers over baths.**
- **Try using or switching to LED lights because they use less energy.**
- **Link all lights to your smart phones to control their use in your home**



LIFESTYLE CHANGES Five ways to save the Environment at 2025

- **Spend more time outside than inside to save electricity.**
- **Play more sports and board or card games with family and friends.**
- **Turn off the heating when you are not there.**
- **Opt to draw and doodle more instead of using screen time.**
- **Read more at night instead of watching tv.**

THE UPS AND DOWNS OF ENERGY

There are two kinds of energy reusable and non reusable.

An example of reusable energy is wind energy because we have infinite wind that will be available to use again and again.

An example of non reusable energy is like fossil fuel because we have a certain amount of fossils in the earth and they will run out.

5th class Project: Light check monitors Term 1 and 2

We were concerned that there were too many lights being left on in our area. In the hallways of the school sometimes there will be four people with checklists turning area and bathroom lights off. A pupil may turn the lights on but if they are off try to keep them that way because that is saving energy and the lights cost a lot of money so turn off lights when you can see that they are not needed. Thank you for reading this notice; your support is much appreciated and it does make a difference



Types of reusable energy are:

wind ,solar ,geothermal, hydropower, wave and tidal power

Types of non renewable energy are:



fossil fuel, coal, nuclear energy, natural gas and petroleum

The amount of electricity used in Ireland in 2024

The country's consumption: 30.74 bn kwh

Energy production: 32.98bn kwh

Energy imports: 1.55 bn kwh

Energy exports: 1.34 bn kwh

The amount of natural gas used in Ireland in 2024

The country's consumption: 5.28 bn m.

Gas production: 1.45 bn m.

Gas import: 3.84 bn m.

Gas export: 0.00 bn m.

Something to think about.....What can you do to help reduce the use of non-renewable energy???



Energy is important so don't waste it



In our next issue we will be looking at the theme of water

