

THE NATURAL POWER OF WIND

DID YOU KNOW?



Did you know that the same breeze that dries your clothes and flies your kite also creates electricity to keep the lights on in your home and school?

The wind moves the blades on a turbine. A generator turns the energy from the moving blades into electricity. This electricity flows through power lines to your home.

Wind energy is often called **green or clean energy**. This is because it replaces dirty fuels like coal or gas. It is better for the planet and helps Ireland to fight climate change.



Wind energy has the potential to make enough electricity every year to **power all of the homes in Ireland.**

A wind turbine can generate power for **more than 30 years.**

Ireland's first wind farm was built in Mayo in **1992.**

We now have more than **360 wind farms** on the island of Ireland.

CO2 is a greenhouse gas that is **bad for the planet.** It is made when we burn fuel for electricity. **Wind energy** cuts our CO2 emissions.



What do you know about **climate change?**

 **YouTube**
Watch our video here

The Power of Wind - Ireland and Climate Change

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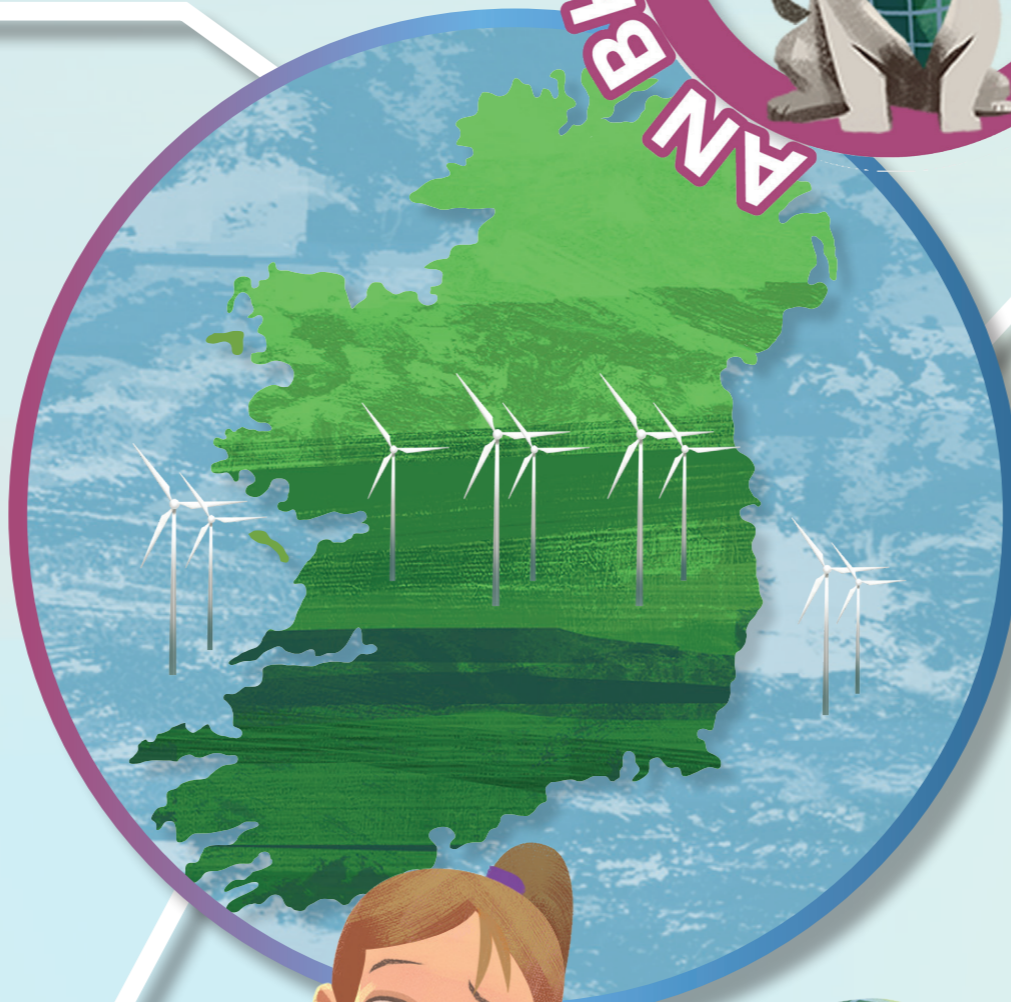
CUMHACHT NÁDÚRTHA NA GAOITHE



An bhfuil a fhios agat gurb ionann an gaoth a thriomaíonn do chuid éadaí agus a chuireann d'éitleog ag eitilt agus an gaoth a chruthaíonn an leictreachas a choinníonn na soilse ag obair i do theach agus ar scoil?

Cuireann an gaoth na lanna ag casadh ar thuirbín. Cruthaíonn tiontú na lann fuinneamh agus déanann gineadóir leictreachas de sin. Sreabhann an leictreachas seo trí línte cumhachta chuig do theach.

Go minic, deirimid gur cumhacht ghlas nó ghlan í cumhacht na gaoithe. Deirimid seo mar gur féidir í a úsáid in áit breoslaí salacha ar nós guail nó gás. Is fearr don phláinéad an chumhacht seo agus is cabhair d'Éirinn í sa troid in aghaidh athrú aeráide.



Bheadh cumhacht na gaoithe ábalta go leor leictreachais a ghiniúint gach bliain chun **cumhacht a chur ar fáil do na tithe go léir in Éirinn.**

Is féidir le tuirbín gaoithe cumhacht a ghiniúint ar feadh **níos mó ná 30 bliain.**

Tógadh an chéad fheirm ghaoithe in Éirinn i Maigh Eo in **1992.**

Anois tá níos mó ná **360 feirm ghaoithe** againn ar oileán na hÉireann.

Is gás ceaptha teasa í CO2 agus **déanann sé dochar don phláinéad.** Déanaimid é nuair a dhóimid breosla le haghaidh leictreachais. Laghdaíonn **cumhacht na gaoithe** an méid CO2 a dhéanaimid.

Cén t-eolas atá agat ar athrú aeráide?



Cumhacht na Gaoithe – Éire agus Athrú Aeráide