

POWER DOWN

Early Years & Primary



CLEAN
GREEN
EAST
AYRSHIRE



East Ayrshire Council
Comhairle Siorrachd Àir an Ear

VATTENFALL 

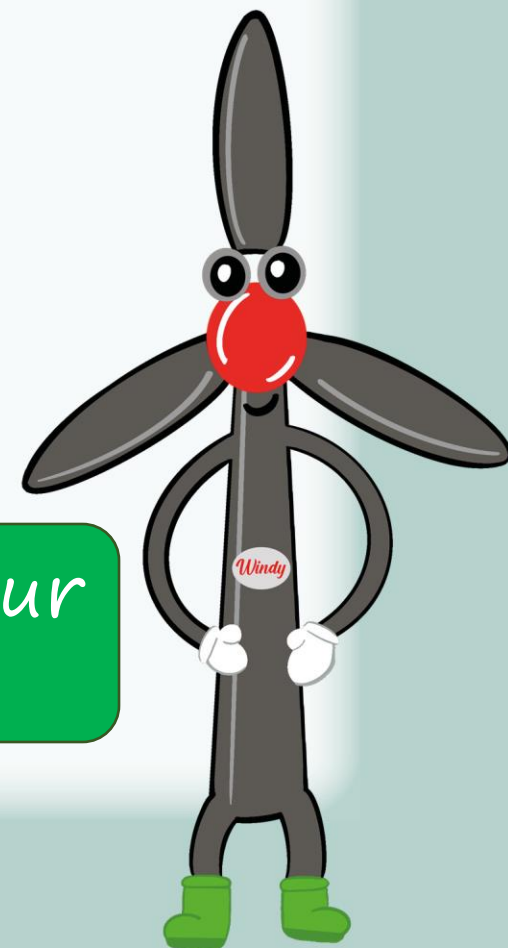


This is *Windy* the Wind Turbine.

Windy would like to invite all early years centres, primary and secondary schools to participate in our East Ayrshire *Power Down* Initiative.

The aim of *Power Down* is to build a strong community of energy saving champions across our East Ayrshire centres, schools, homes and communities.

Will you join *Windy's* workforce and earn your 'Windy Trophy' at the end of the year?





Here's how you can get involved:

1. Sign up to join *Windy's Workforce* – <https://forms.office.com/e/2RSGs8QvWF>
2. Participate in energy awareness/reducing challenges throughout the year.
3. At the end of each month, send us a photo of your completed challenges to claim your prize!
4. Once you have collected all 8 parts, assemble your *Windy Turbine* and collect your *Windy Trophy*.



Windy is built using the following 8 main parts :



5. Blade 1

6. Blade 2



7. Blade 3



8. Hub



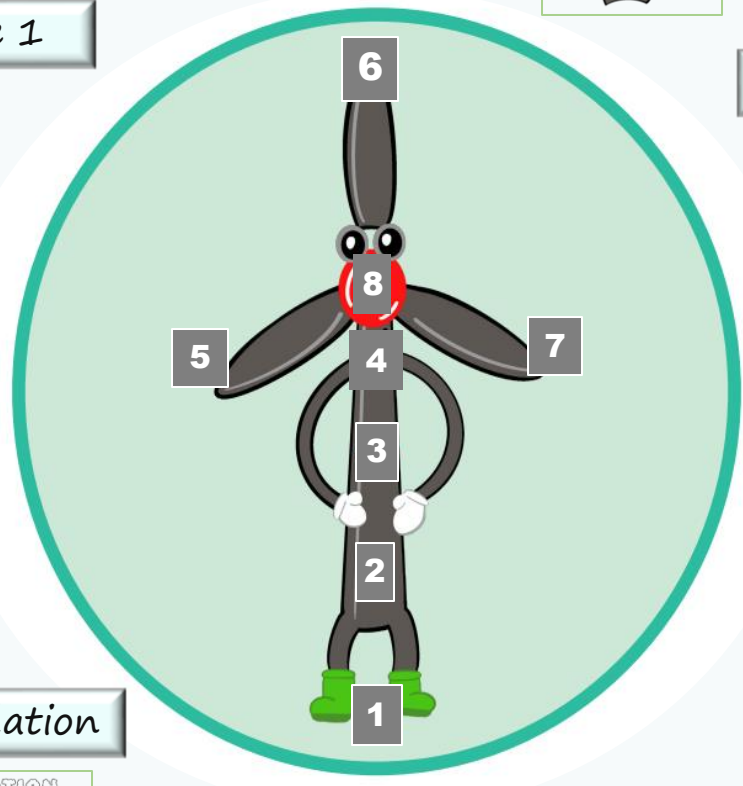
3. Mid Tower

4. Top Tower



2. Base Tower

1. Foundation

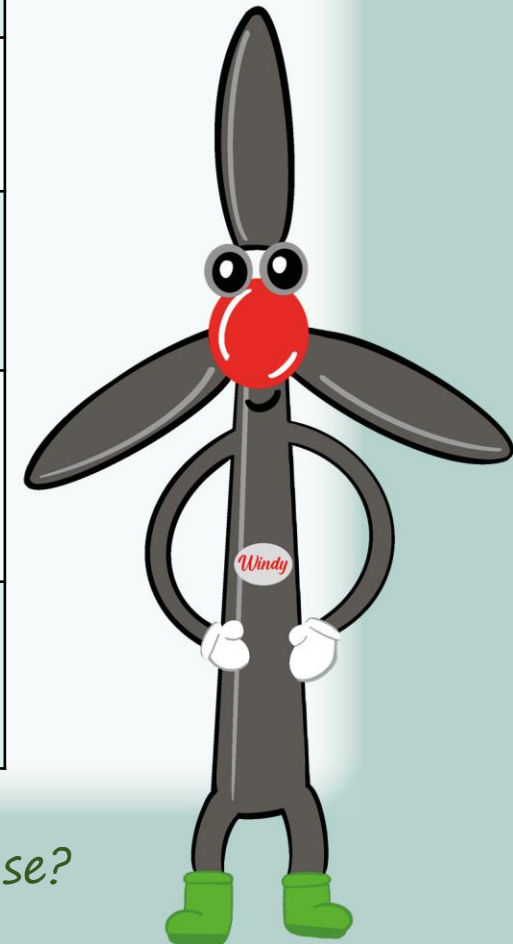


Windy would like you to complete energy reducing challenges throughout the year and in return you will earn one of the major parts of the turbine. Once you have collected all 8 parts, you'll win your windy trophy!











Windy's Workforce Challenges

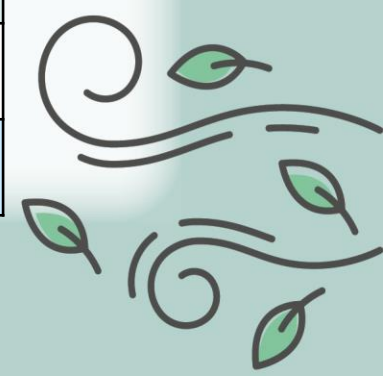
Run an energy reducing themed competition in your centre/school	Signage at all light switches to switch off when leaving a room	Energy lessons/ Class topic/ whole school 'energy' day	Analyse your energy data – choose a month to investigate	Welcome Windy to your centre/school to show off your energy saving work
Appoint energy saving monitors in each room/class	Invite an 'energy' visitor to your centre/school	Create an energy saving checklist for each class	Hold an 'energy' assembly for parents/community	Participate in Power Down competitions
Learn about wind/wind power	Energy Saving tips for Christmas – tips to share/implement at home	Share your best energy saving ideas from home display / family energy saving pledge	Eco Police – spot check classrooms during break/lunch	Celebrate 'Windy Widnae Waste Water Week'
Promote and Share 'Windy Widnae.... Windy Wid' Tips with parents/community	Hold a 'no power' day/learning outdoors day/energy saving awareness event	Make a poster/presentation /video/song/ poem about reducing energy at home – share widely!	Organise an Inter-generational 'energy' event	Explore the Pros and Cons of renewable energy
Water Saving lessons/activities/class topic/whole school 'water day'	Explore Wateraid resources	Promote and Celebrate Windy's Earth Hour	Learn about 'energy' careers/explore 'green' jobs	Carbon Literacy/ training for staff/pupils, Climate Action



Which ones will you choose?

Join Windy's Workforce and complete energy awareness/reducing challenges throughout the year and in return you will earn one of the major parts of the turbine.

		Prize
September	Sign up to participate in 'Power Down' Tell everyone about 'Power Down', highlighting the importance of saving energy/reducing our power usage.	
October	Choose your Challenge(s)	Foundation 
November	Choose your Challenge(s)	Base Tower 
December	Choose your Challenge(s)	Mid Tower 
January	Choose your Challenge(s)	Top Tower 
February	Choose your Challenge(s)	Blade 1 
March	Choose your Challenge(s)	Blade 2 
April	Choose your Challenge(s)	Blade 3 
May	Choose your Challenge(s)	Hub 
June	Now you have all the parts needed to assemble your wind turbine and have earned your 'Windy' Trophy	



Windy's Workforce Challenges

Example of a Yearly Plan

September	<ul style="list-style-type: none"> Tell everyone about 'Power Down,' highlighting the importance of saving energy/reducing our energy usage. 	Prize
October	<ul style="list-style-type: none"> Appoint energy saving monitors and create an energy saving checklist for each class Signage at all light switches to switch off when leaving a room. Eco Police – spot check classrooms during break/lunch to ensure that lights and smartboards are turned off and doors are shut. 	Foundation
November	<ul style="list-style-type: none"> Promote and Share 'Windy Widnae...?' Tips with parents/community Windy Widnae Waste Water Week- Save Water/reduce water 	Base Tower
December	Energy Saving tips for Christmas – tips to share/implement at home	Mid Tower
January	Analyse your data – choose a month to investigate How can you reduce this? Impact of the seasons on Energy use	Top Tower
February	Make a poster/presentation/video/song/poem about reducing energy at home– share with parents and the community Measure wind energy?	Blade 1
March	<ul style="list-style-type: none"> Promote and Participate in Windy's Earth Hour – share on school blog/social media Run an energy reducing themed competition in your centre/school 	Blade 2
April	Tips for teachers – Share your best energy saving idea from home/family energy saving pledge	Blade 3
May	Hold a 'no power' day/learning outdoors day/energy saving awareness event Learn about Green Jobs	Hub





Windy's Workforce Challenges

Windy has gathered some resources, examples and hints/tips to help you with your challenges.





Windy's Workforce Challenges

Run an energy reducing themed competition/campaign



56 pupils conducted a Switch Off Campaign targeting key usage within the campus



Our saving energy and recycling Mascot design competition

Chris can be found around the school promoting the importance of saving energy by turning off lights and electronics, recycling paper, plastics and batteries and saving water.



ers in P1

ECO Committee

As part of our ECO committee, we decided to have a rebrand to link in with our new journey.

As a committee we came up with a variety of different names and voted for the best one.

The winning name was:

Clean Green Climate Changers

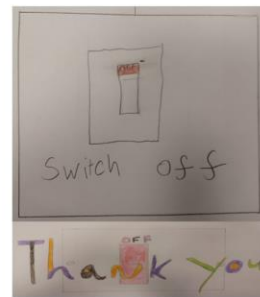
Once we established our name we ran a competition to see who could come up with the best logo to match and this is the result.



Local and National Climate Days and Events

Energy

The pupils hosted a logo design competition to promote their campaign.



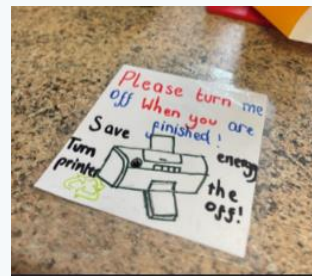
CAS-planner-2023-2024

Our winning Energy Mascot design from last session will now be used across the authority. We are very proud of this! Noah is pleased his design will be used and recognised by many.

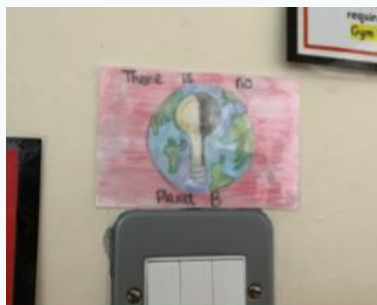


Windy's Workforce Challenges

Signage at light switches



Last one out the room? Switch off the lights!



Switch Off the Light Sign
A4 (teacher made) -
Twinkl

"We made little posters to encourage people to turn off lights in all our classrooms."



Reminders at switches



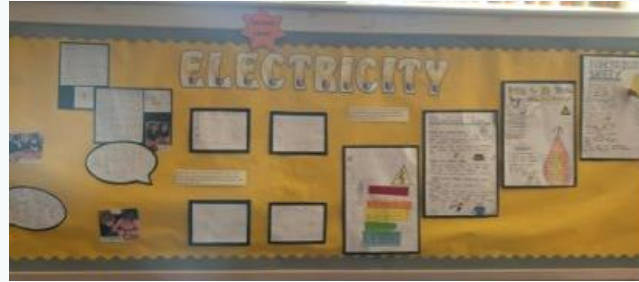
The whole school wore green for Climate Change on the Friday of Climate Change week. We raised £60 for Tearfund. This will go towards helping the Republic of Congo rebuild after severe flooding caused by Climate Change in May 2023.

Windy's Workforce Challenges

Energy lessons/ Class topic/ whole school 'energy' day



Learning about sustainable energy through our school topics



Understanding the Science helps us to cut the bills and lessen our environmental impact.



A whole school 'blackout' helped us save energy

All classes learned about an aspect of Sustainability or Environmental Importance as part of our Earth Day activities.

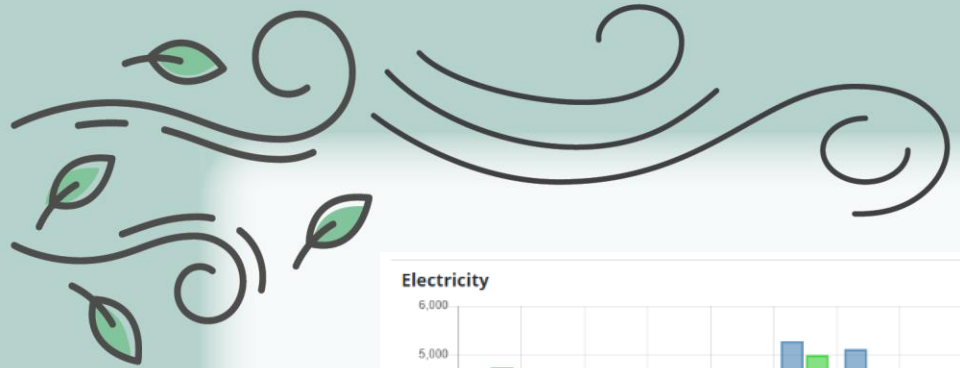


Each class learned all about renewable energy during Clean Green Week



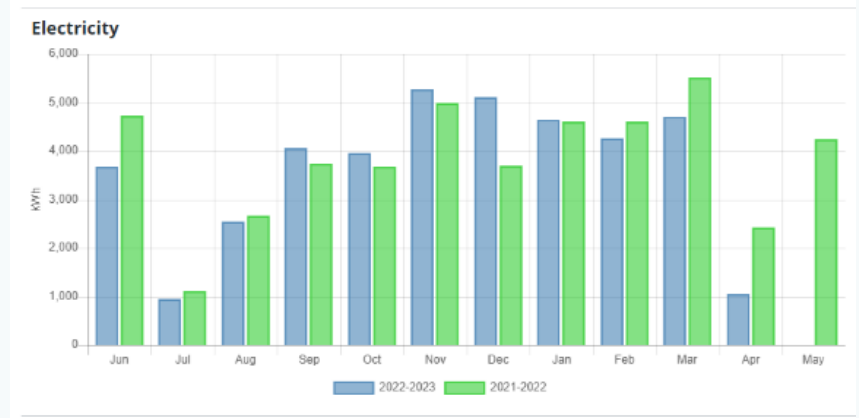
Our whole school kept the lights off for the month of June!





Windy's Workforce Challenges

Analyse your energy data – choose a month to investigate



Month	2022-2023	2021-2022	Variation	
	kWh	kWh	kWh	%
Jun	3,680	4,725	-1,045	-22
Jul	947	1,104	-157	-14
Aug	2,538	2,661	-123	-5
Sep	4,070	3,747	323	9
Oct	3,956	3,669	287	8
Nov	5,276	4,981	295	6
Dec	5,118	3,687	1,431	39
Jan	4,644	4,602	42	1
Feb	4,261	4,604	-344	-7
Mar	4,713	5,506	-794	-14
Apr	1,051	2,434	-1,383	-57
May	0	4,236	-4,236	-100
Total	40,252	45,956	-5,704	-12

Energy Sparks



Look at your electricity usage in 2021/2022

When did your school use the most electricity?

Why do you think this could be?

Which month has the lowest electricity usage?

Why could this be?

Look at your electricity usage in 2022/23

When did your school use the most electricity?

Why do you think this could be?

Which month has the lowest electricity usage?

Why could this be?

Which months should you focus on reducing in this year?

Compare 2021/22 and 2022/23

Which months show an increase in electricity usage in 22/23 compared to 21/22?

Why do you think this could be?

Which months show a decrease in your energy usage in 22/23 when compared with 21/22?

Why could this be?

Look at the table. Your school's total electricity usage for 2021/22 and 22/23 is shown in the bottom row.

Has your school used more or less electricity than last year?

What could be the reason for this?

What can you do as a school to keep reducing the amount of electricity you use?

Calculate your schools average electricity usage each month in 2021/22.

'Total' divided by 12 = kWh

Calculate your schools average electricity usage each month in 2022/23.

'Total' divided by 12 = kWh

Has your average electricity usage increased or decreased since 21/22? By how much?

If your electricity usage follows the same pattern between 2022/23 and 2023/24, what would your average usage per month be at the end of this year?

Are there any steps you take to change this ahead of time?

Your energy usage graph can be found [here](#)



Look at your electricity usage in 2021/2022

When did your school use the most electricity?

Why do you think this could be?

Which month has the lowest electricity usage?

Why could this be?

Look at your electricity usage in 2022/23

When did your school use the most electricity?

Why do you think this could be?

Which month has the lowest electricity usage?

Why could this be?

Which months should you focus on reducing in this year?

Compare 2021/22 and 2022/23

Which months show an increase in electricity usage in 22/23 compared to 21/22?

Why do you think this could be?

Which months show a decrease in your energy usage in 22/23 when compared with 21/22

Why could this be?

Look at the table. Your school's total electricity usage for 2021/22 and 22/23 is shown in the bottom row.

Has your school used more or less electricity than last year?

What could be the reason for this?

What can you do as a school to keep reducing the amount of electricity you use?

Calculate your schools average electricity usage each month in 2021/22.

'Total' divided by 12 = kWh

Calculate your schools average electricity usage each month in 2022/23.

'Total' divided by 12 = kWh

Has your average electricity usage increased or decreased since 21/22? By how much?

If your electricity usage follows the same pattern between 2022/23 and 2023/24, what would your average usage per month be at the end of this year?

Are there any steps you take to change this ahead of time?

Windy's Workforce Challenges

Welcome Windy to your centre/school



Would you like Windy to come along and meet with your Clean green Group?

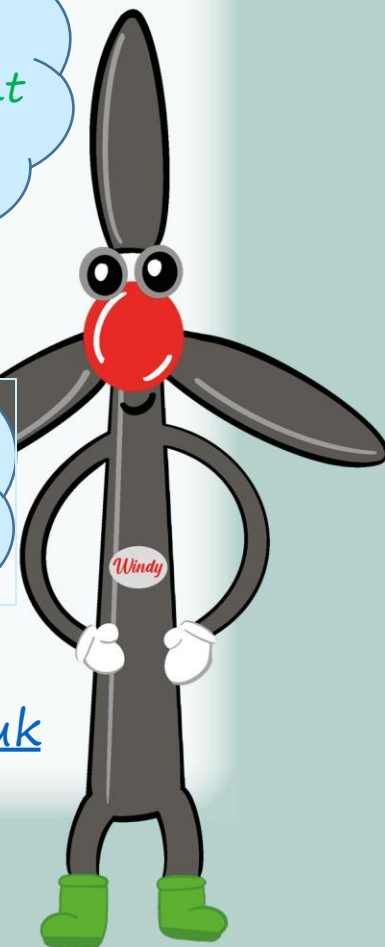
Would you like Windy to help share your energy saving message?

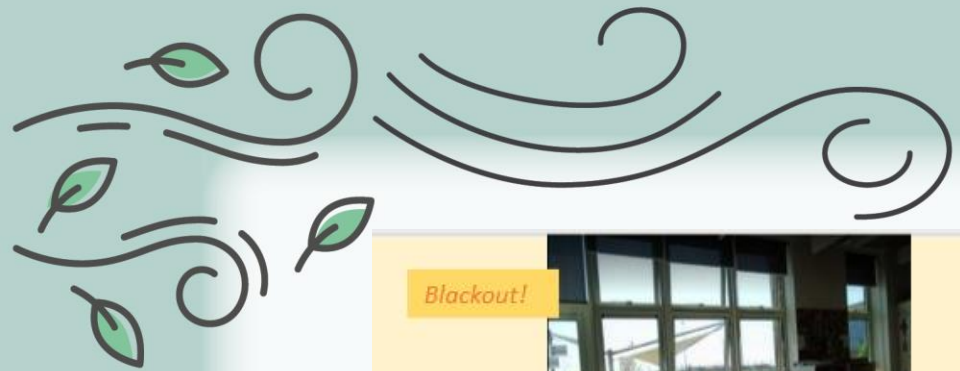
Hosting an Energy saving/reducing event that you would like Windy to attend?

Having an energy competition in your school? Let Windy be the judge!

Got some great work to share with Windy?

Contact us at eacleangreenlaward@eastayrshire.org.uk to arrange a 'visit' from Windy.





Windy's Workforce Challenges

Appoint energy saving monitors in each room/class

Check - do we need the lights on?



Each class have Eco monitors that are responsible for turning off lights and electronic devices when leaving the room and at the end of the school day.

ECO MONITORS

ALL CLASSES HAVE ECO MONITORS WHO ACT AS REMINDERS TO CLOSE DOORS, TURN OFF LIGHTS, TURN OF PROMETHEAN BOARDS WHEN NOT IN USE.

We also introduced energy monitors in our local care home



Could you have energy monitors at home too?



Editable Energy Monitors Display

Windy's Workforce Challenges

Invite an 'energy' visitor to your centre/school or go on an energy visit



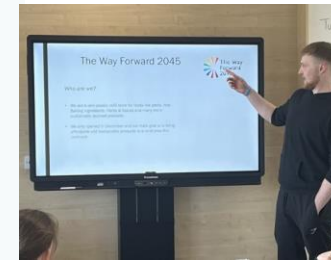
Contact us - UK offices - Vattenfall



Carol from Vattenfall taught us about Renewable Energy and Green Energy jobs



We welcomed visitors from Cumnock's '2045' store to tell us all about sustainability and their work aiming towards Net Zero by 2045. We learned about eco warriors and how we can all be little 'eco warriors' and protect our planet. We all made pledges to help reduce and eliminate plastic use and learned all about the sustainability global goals and their business plan for 'The Way Forward 2045'.



Learning programmes from Glasgow Science Centre



Windy

Primary 4 recently completed a topic on renewable energies and had the amazing opportunity to visit Whitelee Windfarm. They were learning about wind, solar, tidal and geothermal energy and the benefits that these forms of energy can have on our planet.



Contact Us - Whitelee Windfarm



S6 visited Ben Cruachan power station and achieved a National 2 in Sustainable Lifestyles.

Learning Lab | Glasgow Science Centre

On Tour for Schools | Glasgow Science Centre



The Eco Committee also met with Alex our Climate Action Town Rep. The children had a great morning discussing what changes could be made around the village that would encourage people to walk and cycle more.



Mr Dunsford fixes windmills and brought us in some equipment to build our own windmills

Climate and Sustainability | Dynamic Earth Online

Windy's Workforce Challenges

Create an energy saving checklist for each class

Eco-Checklist 

- Turn off lights
- Use recycling bins
- Turn off Promethean board
- Turn off taps
- Re-use paper
- Use re-fillable water bottles
- Turn off devices
- Switch off plugs



Our checklists encourage everyone to save energy.

Don't Litter 

Check-list


- * Turn off lights
- * Use recycling bins
- * Turn off boards
- * Turn off taps
- * Re-use paper
- * Switch off Plugs



Please turn me off when you are finished!

Save energy the off!

Turn printer off



Our energy saving checklist

Clean Green Checklist


- Lights switched off when not in use
- Computers switched off when not in use
- Collect empty paper in a paper bin to be recycled
- Turn any plastic bins to be recycled
- Turn monitors off when they are not needed
- Turn unnecessary phone chargers to conserve power
- High monitoring electricity to back to school
- Keep all windows closed

Eco Warriors and eco-checklists help us save energy in school

Dark Litter

Check - USB

- * Turn off lights
- * Use recycling bins
- * Turn off boards
- * Turn off taps
- * Re-use paper
- * Switch off Plugs




SAVE ENERGY

ELECTRONIC DEVICES ARE SWITCHED OFF AT NIGHT AND ARE ONLY CHARGED DURING THE DAY.

NEW ENERGY SAVING HEATERS HAVE BEEN FITTED IN OUR NEW SCHOOL

Switch it off


Lights

Computers

Boards

All plugs should be switched off at the socket at the end of each day, especially before the weekend or a holiday




Classroom Energy Monitor Checklist 

Week beginning: _____

This week's monitor: _____

Playtime Checklist

- Turn off Smartboard
- Turn off classroom lights



Lunch Checklist (or when leaving the class for longer than 15 minutes)

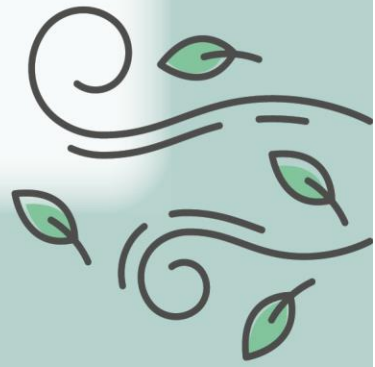
- Turn off Smartboard
- Turn off classroom lights
- Turn off computers and place in charging unit
- Turn off any dripping taps

End of Day Checklist

- Turn off computers and place in charging unit
- Turn off Smartboard
- Close any windows
- Turn off classroom lights
- Switch off plugs
- Turn off any dripping taps

CLEAN GREEN EAST AYRSHIRE CHECKING FOR OUR CLASSES

"Every Friday 2 pupils in our class would go round the school with an Energy Checklist and award points for the most energy efficient class."



Windy's Workforce Challenges

Involving parents/carers & the community

ECO BLOG

We share top tips with parents using our blog

We have been adding to our blogs for parent information. This has become more of a general Eco Blog than focused on energy saving tips. We also made one for food waste with videos and tips and we have one with the actions we are working on that may interest parents or need their support.

60TH EARTH HOUR

© MARCH 24, 2023 ▲ MRS GREGOR ▼ LEAVE A COMMENT

Help us change the world this weekend!

Can an Hour change the world?

Just 60 minutes? Yes, just one hour. It may not seem like much, but the magic happens when you, and those like you in Asia and Africa, North and South America, Oceania and Europe - supporters in over 190 countries and territories - all give an hour, creating the Biggest Hour for Earth.

By doing so, this Hour can shine an unmissable global spotlight on nature loss and climate change, and the need to work together to secure a brighter future for people and the planet.

Give an Hour for Earth by spending 60 minutes doing something - anything - positive for our planet.

To find out more/sign up visit: <https://www.earthhour.org>

eco

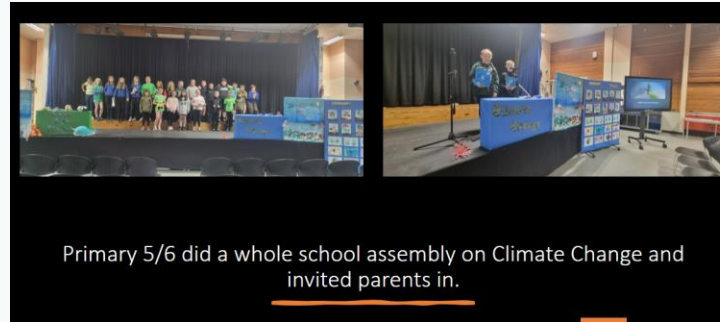
LEARNING FOR SUSTAINABILITY DAY

© FEBRUARY 3, 2023 ▲ MRS GREGOR ▼ LEAVE A COMMENT

Please have a look at some of our photos from our Learning for Sustainability Day.

[Biosphere Day - Photos](#)

A huge thanks to Education Officers Faith, Malcolm and Ryan from Galloway and Southern Ayrshire Biosphere for organising and running our Learning for Sustainability Day.



Primary 5/6 did a whole school assembly on Climate Change and invited parents in.

Planned actions/ideas

1. Update the ENERGY section on the CLEAN, GREEN SCHOOL AWARD blog page regularly to update parents/ carers and community on our progress.

[CAS-planner-2023-2024](#)

[Local and National Climate Days and Events](#)

[Parents and families](#)



Support for Pupils

Eco-Schools

Part 3: Involving your Community

How to make the most of community links and share your work with a wider audience

Every class did some Artwork for the Assembly.



Our P5-P7 children created posters and placards advertising the awful effects of climate change. These were placed around the school and in the community to help raise awareness.

Host an 'energy' assembly/presentation

[7-assembly-ideas](#)

[Layer Up Power Down Day assembly](#)

Windy's Workforce Challenges

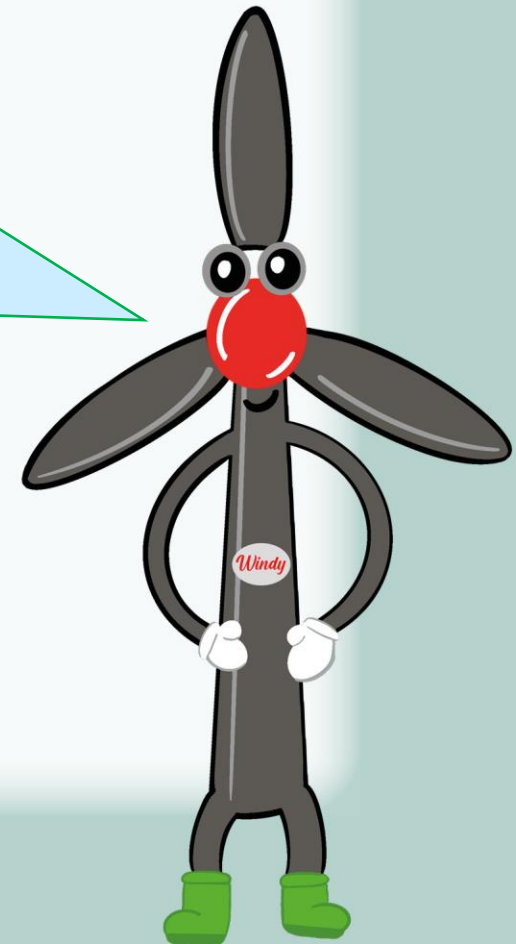
Participate in *Power Down* competitions



Get involved in our
Power Down
competitions that
we will be running
throughout the year.

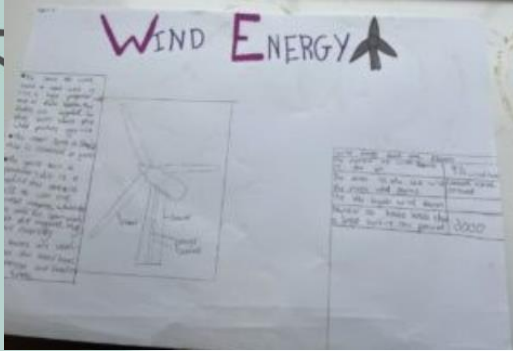


Look out for
details of how you
can get involved
in the
Power Down
Channel



Windy's Workforce Challenges

Explore Wind/Wind Power



[What is Wind Energy? - Earth.Org Kids](#)

[Wind energy - 2nd Level BBC Bitesize](#)

[Visit A Giant Wind Turbine on a Wind Farm! - Youtube](#)

[Harness the power of wind with a wind turbine - Energy Saving Trust](#)

[Wind Energy](#)

[What is Wind Energy | Science for Kids - YouTube](#)

[Wind power Facts for Kids](#)

[Wind Energy \(nationalgeographic.org\)](#)

[Make Your Own Wind Turbine](#)

[Wonderful Wind Experiments for Kids \(science-sparks.com\)](#)

[wind power - Kids | Britannica Kids](#)

[STEM-Works - Wind Energy Activities](#)

[Environment for Kids: Wind Power](#)

[Year 2 Lesson Pack 7 \(twinkl.co.uk\)](#) *Subscription required



Windy's Workforce Challenges

Energy Saving tips for Christmas

Energy use at Christmas

In the UK we use almost £66 million of electricity on Christmas day alone – **that's 402Gwhs of electricity**, or to put it another way, enough electricity to light the Eiffel Tower for 50 years!

That doesn't even include the rest of December where the average home uses an extra £50 worth of energy on things like Christmas lights, charging fancy new toys or settling in for a Christmas movie-marathon.

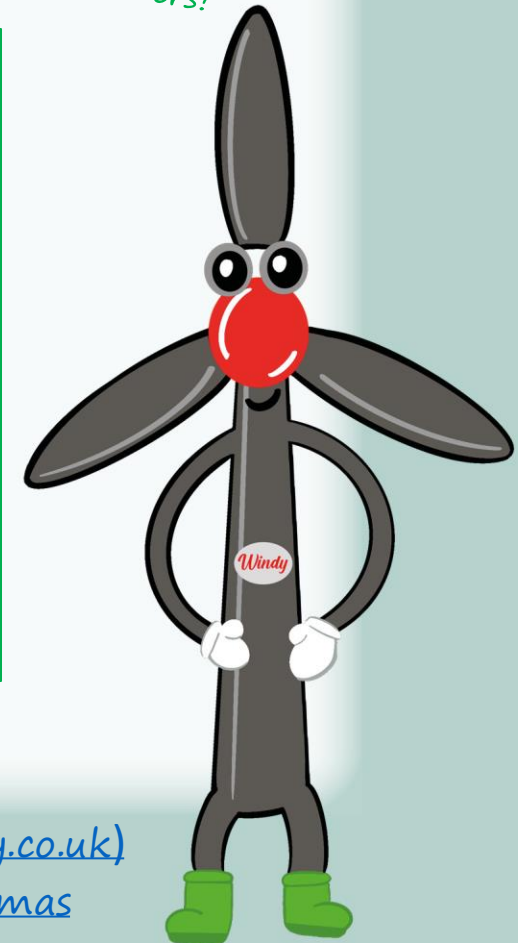
Have yourself an Eco-Friendly Christmas!



Why not create an energy-saving tips at Christmas leaflet for parents/carers, staff or local business owners?

10 WAYS TO CONSERVE ENERGY THIS HOLIDAY SEASON

1. Switch to LED Lights
2. Bake several dishes at once
3. Turn off overhead lights when your Christmas tree is on
4. Look for the Energy Star seal on new TVs
5. Use fiber optic decorations
6. Stray away from batteries, or use reusable ones
7. Walk around and look at the decorated houses
8. Use small appliances when cooking
9. Use a lid to cover your cooking food
10. Unplug items you aren't using



Smart Energy Tips | Smart Energy GB

Christmas Energy Saving Tips (isoenergy.co.uk)

Energy Use at Christmas



Windy's Workforce Challenges

Energy Saving tips for home

[Fun Ways to Teach Kids About Saving Energy at Home - Eco Friendly Kids](#)

[Smart Energy Tips | Smart Energy GB](#)

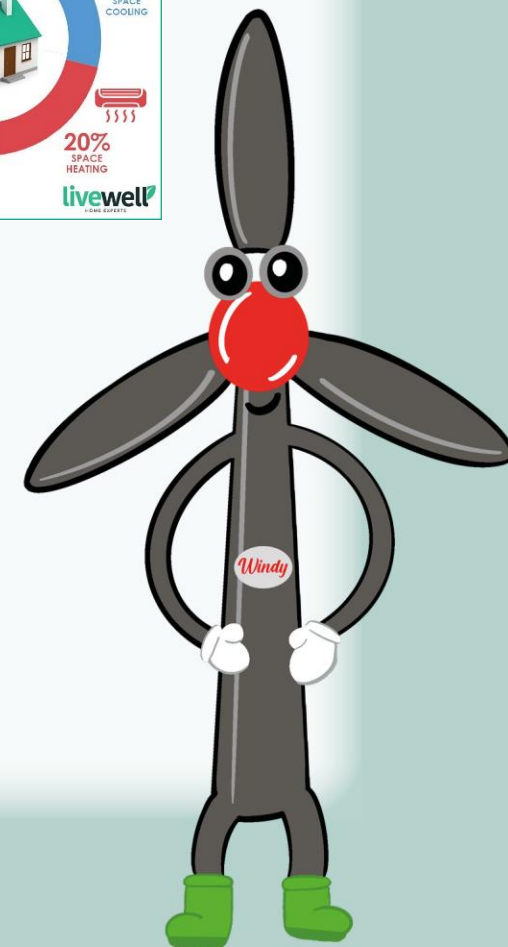
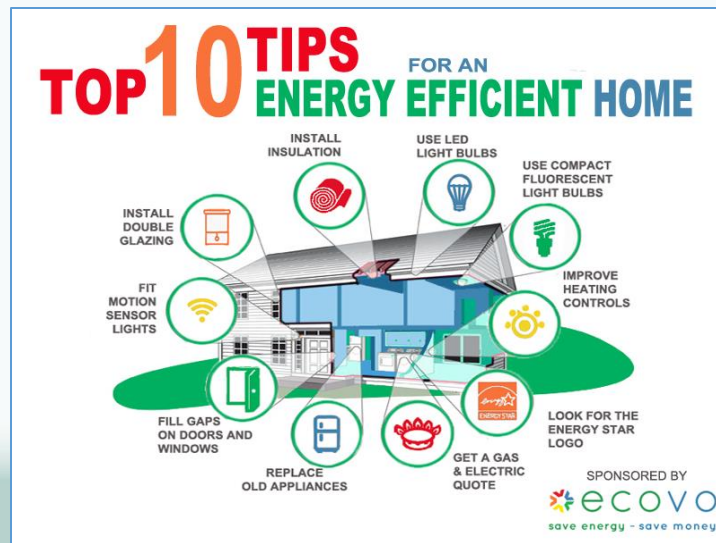
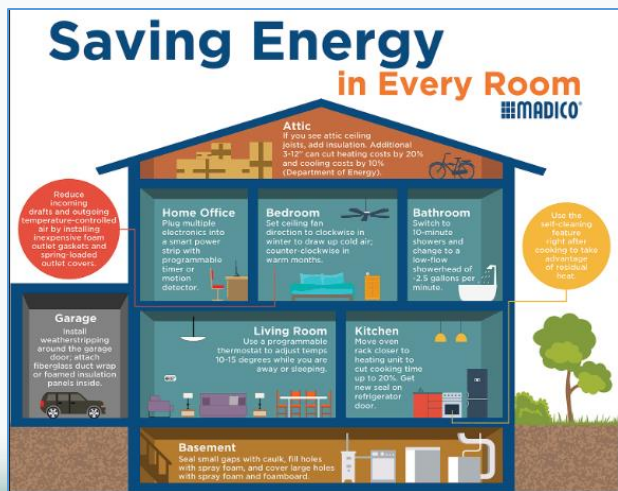
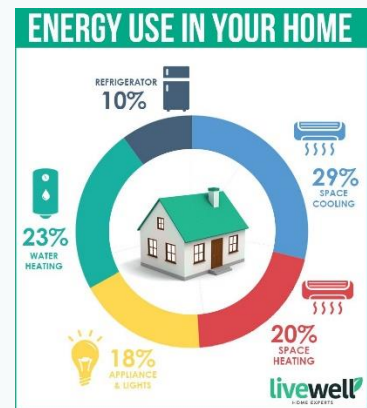
[Quick tips to save energy at home - Energy Saving Trust](#)

[2nd Level saving energy - BBC Bitesize](#)

[Teach your child energy saving rules at home - Support for Parents](#)

[Top Ten Ways to Save Energy at Home - Twinkl](#) *subscription required

[10 Tips to Help Save Energy at Home with Children | Busy Bees](#)





Windy's Workforce Challenges

Eco Police – spot check classrooms during break/lunch

Eco Police



The 'Eco Police' spot check each classroom twice per week to check if lights are switched off, doors are shut, and smartboards are off when not in use.



Our energy monitors carry out regular spot checks to make sure boards and lights are off.

Each week, points are awarded to the most energy efficient class.



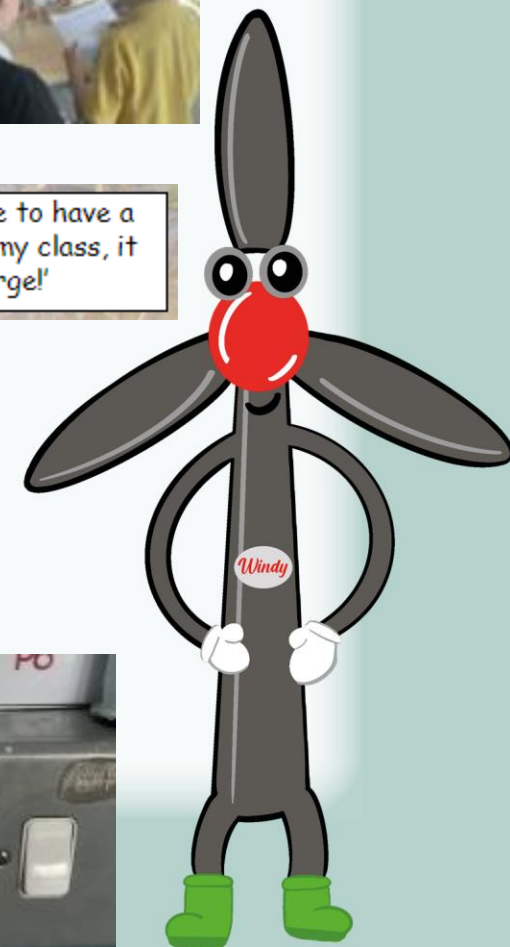
Energy Monitor Spot Check

Are the lights and Promethean turned off?

Date	18/5	lights	lights
P1	✓	✓	✓	✓	✓	✓
P2	✓	X	✓	X	X	X
P3/2	✓	✓	✓	✓	✓	✓
P3	✓	X	X	X	X	X
P4F	✓	X	✓	✓	✓	✓
P4S	✓	X	✓	X	X	X
P5	X	X	X	X	X	X
P6	X	X	X	X	X	X
P7	✓	X	✓	X	✓	X

Olive - 'I feel very responsible to have a job to check on energy use in my class, it is very fun to be in charge!'

The 'Eco Police' spot check each classroom twice per week to check if lights are switched off, doors are shut, and smartboards are off when not in use. The children created a tracking sheet (attached below) which they used every week to record their results. Each class's score was then collated by the children on Microsoft Excel (attached below) and a winner announced each month. This has also been highlighting areas of improvement for each class and giving the children responsibility to impact this change.



Windy's Workforce Challenges

'Windy Widnae Waste Water' Week
6 - 10 November 2023

To highlight the importance of saving water, we would like to invite establishments to participate in our East Ayrshire 'Windy Widnae Waste Water' Week, by spending some time focusing on Water.

Here's how you can get involved:

- Spend some time exploring WaterAid/Scottish Water resources.
- Invite a speaker into your school
- Make some posters/leaflets to share about the importance of conserving water.
- Hold a water themed competition in your school

Your water usage graph can be found [here](#)

For more ideas and resources, see slide 28 & 29



[SDGoal-6-clean-water](#)




'Windy Widnae.... Windy Wid....'

Windy's Energy-saving Top Tips #1

Windy widnae ...
❌ leave devices on standby

Windy wid ...
✅ save energy and around £65 a year by completely shutting devices down/pulling the plug on idle technology.



CLEAN GREEN EAST AYRSHIRE | East Ayrshire Council | POWER DOWN | #belikewindy #eacpowerdown

Each month we'll share one of Windy's Top Tips on saving energy.

Windy's Energy-saving Top Tips #3

Windy widnae ...
❌ wash clothes at 40°

Windy wid ...
✅ Save energy by switching to 30° on a normal cycle, saving around £34 per year.




CLEAN GREEN EAST AYRSHIRE | East Ayrshire Council | POWER DOWN | #belikewindy #eacpowerdown

Who will you share the Top Tip with?

Windy's Energy-saving Top Tips #6

Windy widnae ...
❌ let heat escape through draughty windows or doors

Windy wid ...
✅ use heavy curtains or a draft excluder, saving energy and £45 per year.



CLEAN GREEN EAST AYRSHIRE | East Ayrshire Council | POWER DOWN | #belikewindy #eacpowerdown

#belikewindy



Windy's Workforce Challenges

Hold a 'No Power' day/learning outdoors day



Take your learning outdoors!



Outdoor learning – teaching the pupils how to be mindful of the environment



We use outdoor learning as much as possible to conserve the energy used in the classrooms – weather is no issue! This is all across the school in all stages.



Our Eco Committee are currently planning a Switch Off Week which will be promoted across the school this term.



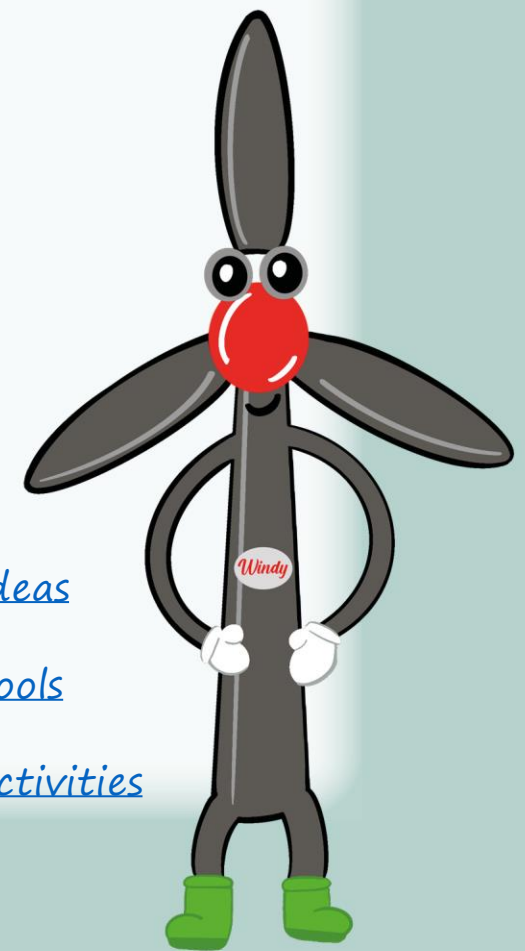
our zero energy outdoor learning cabin

[Dumfries House](#)

[Outdoor learning ideas](#)

[Outdoor Learning Resources For Schools](#)

[Dean Castle Country Park - Ranger led activities](#)



Windy's Workforce Challenges

Make a poster/presentation /video/song/
poem about energy



WATER

by Kate Coombs

Turn on the tap
and the water flows.
Does anyone know
where the water goes?

Turn on the tap
and the water comes.
Does anyone know
where the water's from?

Water is clean
and water is cool,
living in rivers
and raining in pools.

Yet water can trickle
and wells can dry up
till there's nothing left
to fill the cup.

Today there is water
when we turn the tap on.
But what will we do
when the water is gone?

Poem © 2014 Kate Coombs
from The Poetry Friday Anthology® for Science
by Sylvia Vardell and Janet Wong (Purdue Books)

Our Eco-code

The eco-committee have worked hard to create a song that will us all try our best to look after the school and its environment.

Here is part of our Property Pledge!

We are all going to sing it during our Eco day on the 6th June.

Click here to listen to our song.

[Green, Green Trees.mp3](#)

Whatriggs Primary Property Pledge Song

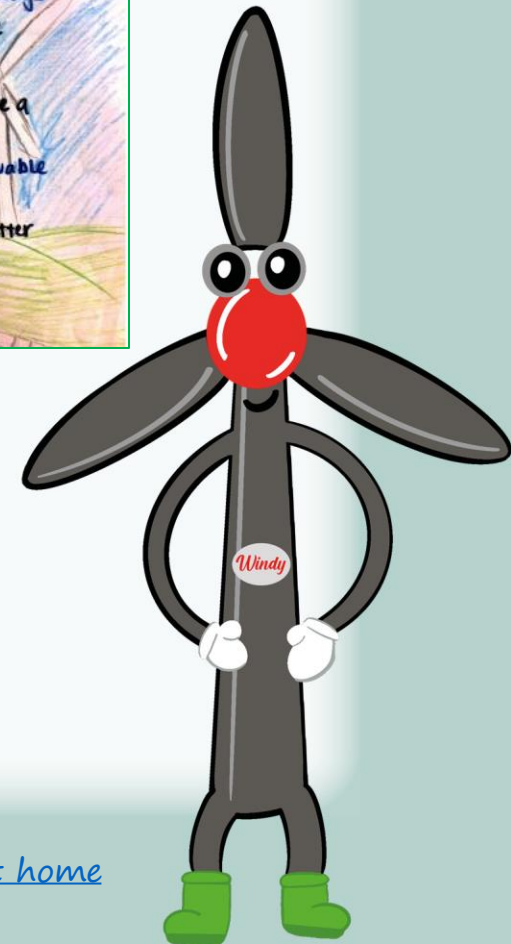
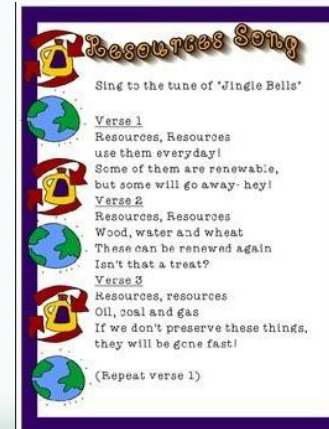
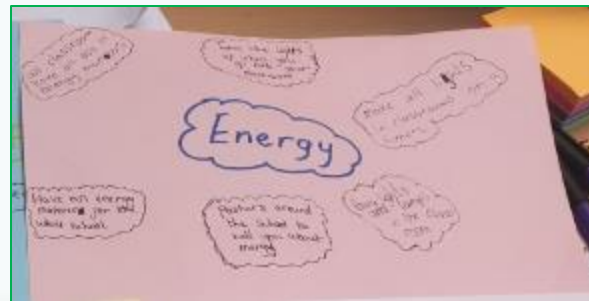
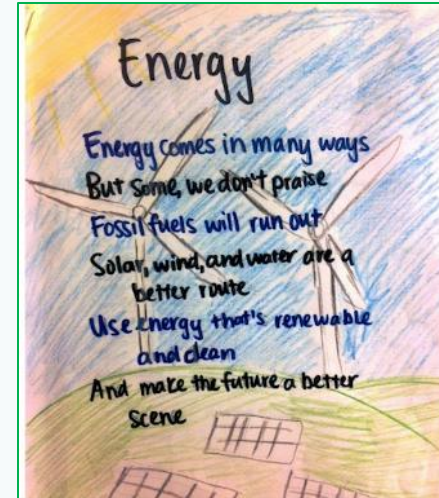
(To the tune "Green, Green Grass" by George Ezra)

Pre-chorus

Whatriggs Primary Property Pledge,
Working together to help the planet,
Eco committee and pupil council,
There's too much rubbish so help us bin it.

Chorus

We say,
Green, green grass,
Blue, blue sky
You better bin your litter of the planet will die
Green green trees,
Blue, blue seas
Working together to save all our bees.



Windy's Workforce Challenges

Organise an Inter-generational 'energy' event



Visit to Local Care Home

We visited Dalmellington Care Home to teach them all about Climate Change.

Some of the residents didn't even know about the electric cars and buses.



[Old's Cool Intergenerational Practice Toolkit](#)
(education.gov.scot)



generationsworkingtogether.org



Windy's Workforce Challenges


Learn about Renewable Energy



Sustainable Energy Day
22.5.23

We learned about Solar Power as a sustainable energy.

We designed and built lego houses with solar panels.



Knockroom Renewable Energy Lab

- Renewable energy research center to be built next to Knockroom with a total of £22.5 Million given by the government and East Ayrshire Council!

Fun Fact- There are 4 main types of renewable energy sources in the UK

Solar, Wind, Hydroelectricity, Bioenergy.



JHP_SnCN_5-anCN
@JHP_SnCN_SanCN

As part of #CleanGreenWeek P5a were learning about renewable energy. We drew pictures to show ways of generating energy.



Sustainable living

Sustainable Living Week
29 January to 2 February 2024.

A week of interactive lessons and activities all about making choices that are kinder to the environment.

Register



Primary 6/7 created presentations about Renewable Energy.

[Types of Energy](#)

[Investigating energy in the UK](#)

[Sunny Schools Resources](#)

[Renewable-energy-fact-sheets](#)

[New renewables - 2nd Level - BBC Bitesize](#)

[Non-renewable Energy Sources - Types of Energy for Kids - YouTube](#)

[SDgoal-7-clean-energy](#)

[energy-source-game](#)



Windy's Workforce Challenges

How can you save water in your school?

Education - Scottish Water

All About Water

Have fun learning about water >

Modules

Our modules for Early, First, Second, Third and Fourth levels can be tailored to your needs >

Games

Try these fun water and waste water related games to support our learning programme. >

Education Hubs

Scottish Water has launched exciting new online education hubs to engage young learners with water >

Water Cycle Education Pack

Water Cycle Education Kit for parents, carers and teachers across Scotland >



Your water usage graph can be found [here](#)

Save Water

The Eco committee have gone round the school to check where signs are needed at the taps. The Eco committee created more of these and distributed to classes/areas that required them.



"Toilet rotas have meant that water usage has reduced."

Water - Teaching Ideas

[Water-saving tips to try at home - The Regenerators - BBC Bitesize](#)

In the past we have had lots of problems with taps being left running and flooding in the toilets. Our committees decided that toilet monitors would be a good idea.

Our P7 toilet monitors were recruited and visit the toilets at regular intervals throughout the day to check for any issues. These are reported to our janitor if necessary.

[How to conserve water | The Wildlife Trusts](#)

[Simple ways to save water at home - Energy Saving Trust](#)

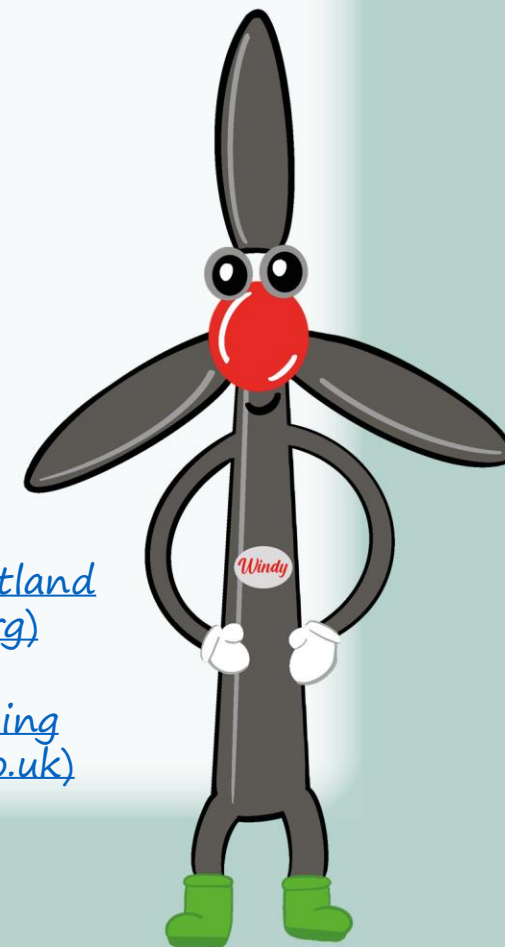
[Water | Eco-Schools Scotland \(keepsotlandbeautiful.org\)](#)

[13 best ways to save water | Friends of the Earth](#)

[Save Water - Waterwise](#)

[26 Top "Water Conservation" Teaching Resources curated for you \(twinkl.co.uk\)](#)

*subscription required





Windy's Workforce Challenges

Learn more from WaterAid
WaterAid UK



What has Climate change got to do with Water?

Explore climate change educational resources

Engage your pupils with a WaterAid workshop

Films, games and songs

Become Water Warriors



Challenge yourself to drink nothing but water

Just Water



SDGoal-6-clean-water




Windy's Workforce Challenges

Windy's Earth Hour



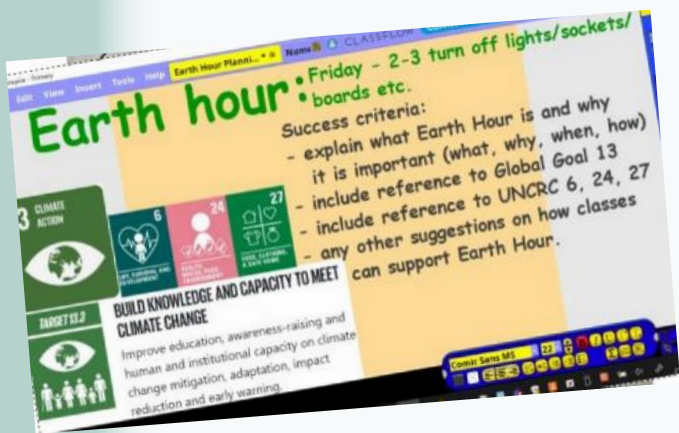
WWF Earth Hour - Switch off. Give an Hour for Earth
(23rd March, 8.30pm)



Support Earth Hour in your establishment on **Friday 22nd March (1.30 – 2.30pm)** by switch off all non-essential lights and electronic devices for one hour and spend this hour doing something positive for our planet.

Can an Hour change the world?
Just 60 minutes? Yes, just one hour. It may not seem like much, but the magic happens when you, and those like you in Asia and Africa, North and South America, Oceania and Europe - supporters in over 190 countries and territories - all give an hour, creating the Biggest Hour for Earth.
By doing so, this Hour can shine an unmissable global spotlight on nature loss and climate change, and the need to work together to secure a brighter future for people and the planet.

Give an Hour for Earth by spending 60 minutes doing something - anything - positive for our planet.



Could an Hour change the world? *It's a start, and it's up to us.* #MyHourForEarth

[earth-hour-pledge.pdf](https://www.earthhour.org)

<https://www.earthhour.org>

[Earth Hour activities for schools | WWF](#)





Windy's Workforce Challenges

Learn about 'energy' careers/explore 'green' jobs



During STEM week, Carol Kane from Vattenfall, came in to talk to pupils across all stages in the school about renewable energy and the new windfarm in Ayrshire. The pupils learned lots of facts about wind turbines, linking to Global Goal 13-Climate Action. She told pupils about the huge range of jobs, skills and careers that are available in Green energy.

We had a meeting with East Ayrshire Climate Team via Microsoft TEAMS.

World of World

- We invited members of the local community in who have a job relating to Climate Change. Mr Dunsford fixes windmills and brought us in some equipment to build our own windmills.
- We also invited in Natasha from East Ayrshires Climate Change Team.



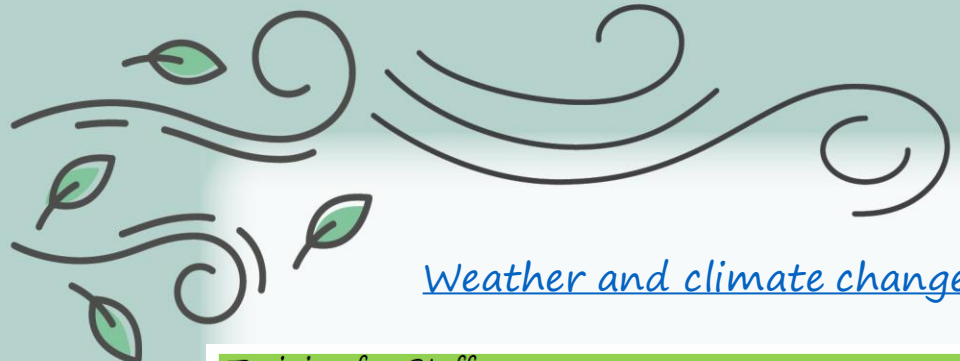
[Green jobs in 60 seconds! - BBC Bitesize](#)

[What is a green job? - everything you need to know](#)

[Green careers: everything you need to know - BBC Bitesize](#)

Windy's Workforce Challenges

Carbon Literacy/Climate Action



Weather and climate change

Training for Staff

Climate Ready Classrooms – An introduction to Climate Change (for all educators)

19 th Sept MS Teams 4pm – 5.30pm	A general overview of the key concepts surrounding climate change. This session aims to establish basic knowledge relating to the main issues, impacts and effects that relate to it.	Register here
---	--	-------------------------------

Climate Ready Classrooms: Train the Trainer
Accredited sessions for educators, training you to deliver carbon literacy training for High School pupils. Suitable for teachers, head teachers, CLD practitioners, and youth and children's workers.
[Find out more](#)

<p>New dates will be announced at the beginning of the new financial year. In the meantime, please register to be first to be informed of these new dates.</p>	<p>Sign up for this session here</p>
--	--

Training for pupils

Climate Ready Classrooms (Primary)

2 nd October 2023 (Whole day – 3 online workshops)	Series of activities that support learning about climate change and biodiversity within the Curriculum for Excellence, and a focus on solutions, actions and hope. This course aims to support pupils to: <ul style="list-style-type: none"> ✓ Develop an understanding of the basics of what climate change is and why it is happening. ✓ Improve understanding of the importance of biodiversity and how all species are connected and interdependent. ✓ Explore thoughts and worries around the climate change and biodiversity crises and why we should have hope. ✓ Identify opportunities to take action to tackle the climate change and biodiversity crises within local authority aims. 	P5- P7 Pupils Register your class(es) here
--	--	---

Climate Ready Classrooms (Secondary)

Delivered either as a one day face to face workshop or remotely online as a series of workshops.	<p>This course aims to support young people to:</p> <ul style="list-style-type: none"> • Have an improved understanding of climate change science • Explore issues of climate justice and build global citizenship skills • Identify opportunities to reduce carbon emissions, plan how to do this and act • Speak confidently as climate change ambassadors • Actively participate in Scotland's transition to a low carbon society <p>There are four units: Unit 1: Climate Conversations Unit 2: Exploring Climate Change Unit 3: Taking Climate Action Unit 4: Emissions & Vulnerability</p> <p>Accredited by The Carbon Literacy Project, Climate Ready Classrooms offers relevant and engaging activities that focus on solutions and action. Upon completing the course, pupils receive a certificate of Carbon Literacy accreditation.</p>	Register your class here
--	---	--

Climate and Sustainability | Dynamic Earth Online

Learning programmes from Glasgow Science Centre | Glasgow Science Centre

Climate Action

Climate Action-curricular-map)

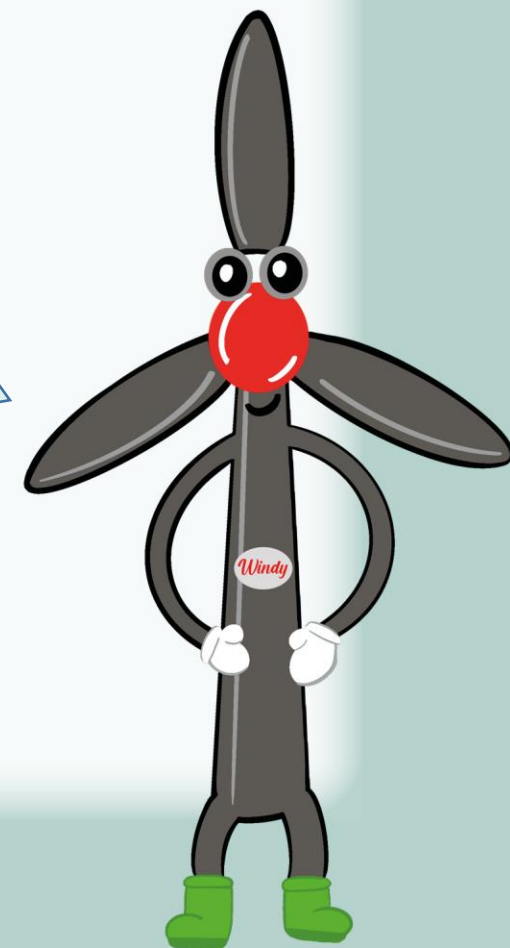
SDGoal-13-climate-action)

Energy-and-the-Global-Goals-for-Sustainable-Development





*Good luck with your Energy Challenges.
I am excited to award lots of Windy Trophies this year!*



Need any support with Power Down? Get in touch with us at eacleangreenlaward@eastayrshire.org.uk or send us a message in the [Power Down channel](#) in the team