



# **Energy Week at Radford** **Academy** **May 2016**

With SCoRE, Nottingham City Council



# **Earth Hour!**

Earth Hour is a worldwide grassroots movement started in 2007, uniting people to protect the planet and is organised by the World Wildlife Fund. It is held every year and individuals, household, communities and businesses turn out all lights not needed for one hour as a symbol for their commitment to the planet earth and to try to help to create a more sustainable future. Let's watch a video.

# **Earth Hour Video**

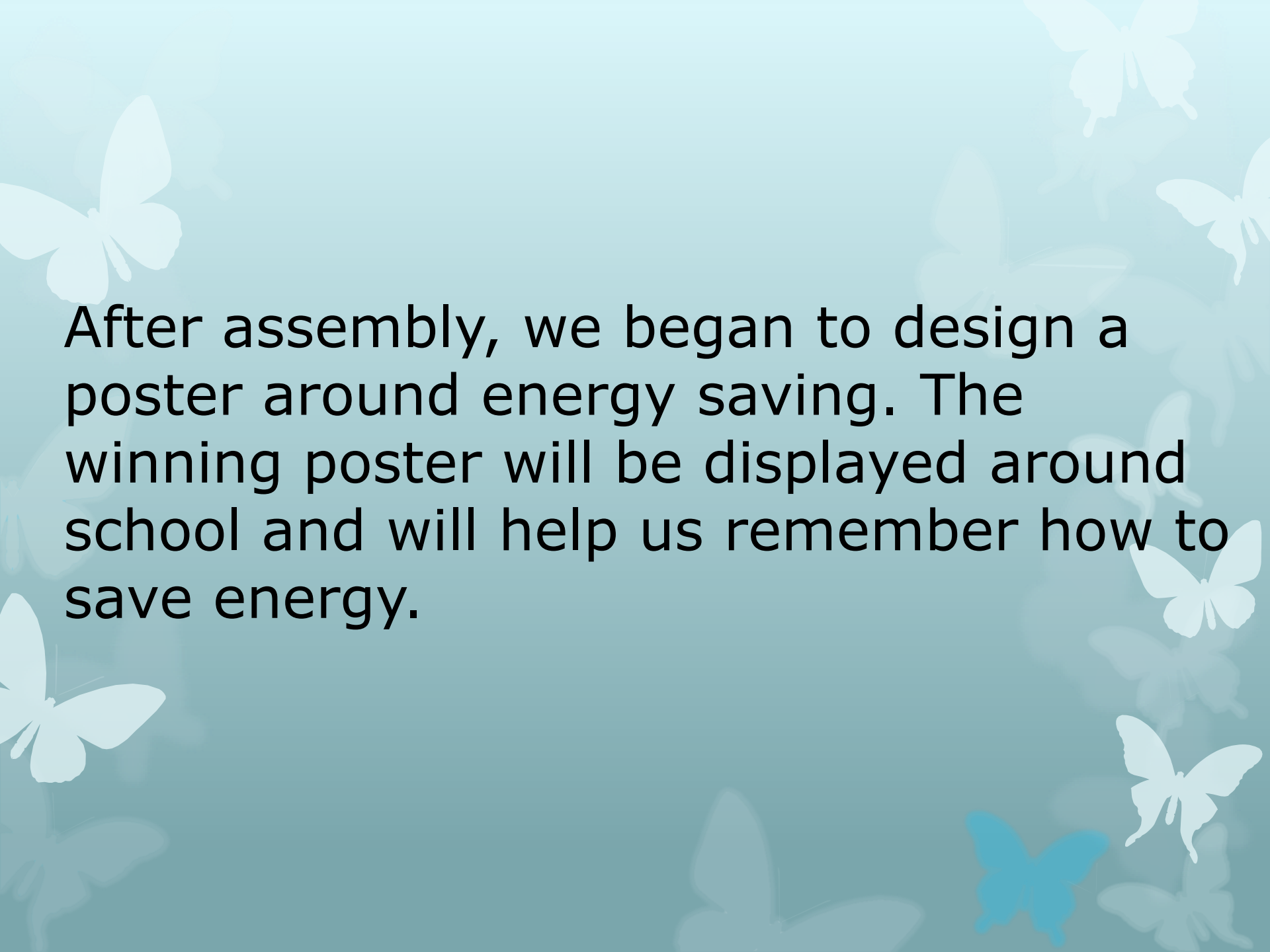
<https://www.youtube.com/watch?v=B9F22aJAUuU>

We are the first generation to feel the impact of climate change and the last generation that can do something about it. How are we doing our part to save energy and emissions and become more sustainable? Energy week at Radford Academy, our story...

On Monday, we listened to an assembly about climate change. The assembly explained about fossil fuels and how a power station works. Everyone began to think about why it is so important to save energy and why renewable energy like solar, wind and water power is so important.

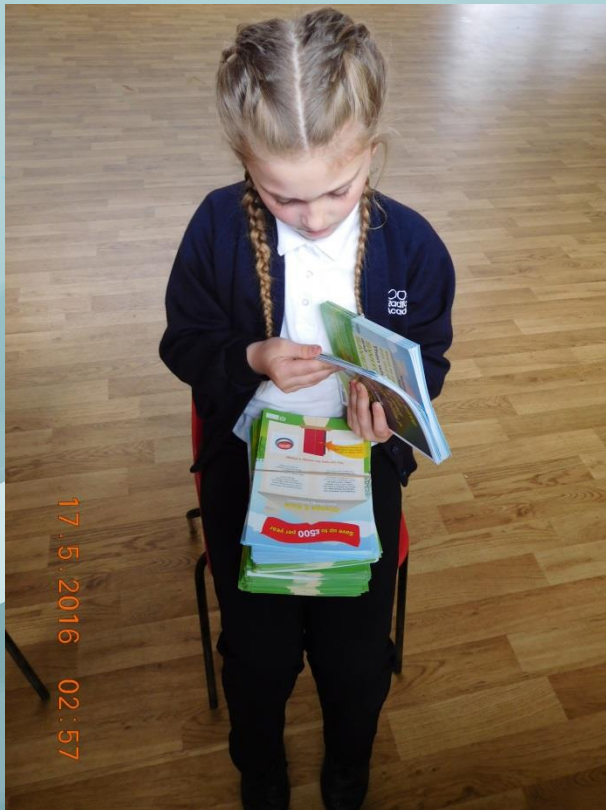
Here we are in assembly.





After assembly, we began to design a poster around energy saving. The winning poster will be displayed around school and will help us remember how to save energy.

Some children who had been working especially hard were chosen to sort out leaflets for everyone to take home. Now we can help the adults that we live with to save energy too.







For the rest of Monday and all day Tuesday, children from years 1 and 2, enjoyed their 'Little Ones Energy Day'. They listened to a story all about Max the monster saving energy and learned a new song with signing.

# The children did a colouring...





They played with a special eco dolls house which had a wind turbine and a solar panel on the roof.



They made some electric busses.

The children played a matching lotto game.





They learned all about how they could save energy by turning lights and taps off when they had finished using them. Everyone had so much fun!

On Tuesday morning, children from years 3 and 4 studied a map of the school and used this to navigate around, plotting where they found sources of energy and carrying out energy audits.



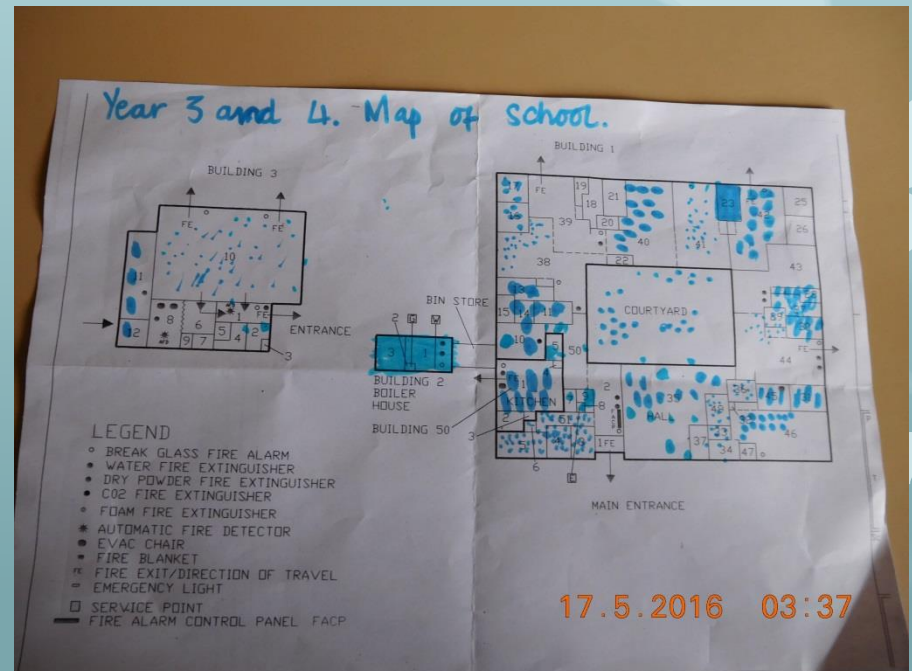
The children covered the whole school. They found lots of sources of energy in every room including light switches and power sockets.







Here is the finished map!



As the children travelled around school, they found that lots had been left switched on in school that was not needed for example lights and computers. The children left some little reminders for people.





The children also found lots of good things happening lights, taps and computers switched off when people were not in the room.

That afternoon, the Eco-Team went outside to build solar cars to learn how the sun is able to create energy for things that we plug in. We counted the solar panels on the school roof.



Later that day, the Eco Team got together to talk about how they could save energy in school. They also reminded themselves of their very responsible role of representing the school around issues such as energy, litter, waste and recycling, water, transport, healthy living, school grounds and global citizenship. Here are the 2016 Eco Team...

# The Eco Team!



17.5.2016 03:17

On Wednesday morning, children in years 3 and 5 used a thermometer to measure the temperature. They found it was around 22 Degrees Celsius in most parts of the school which is a good temperature to work in. During the winter, it would be a good idea to measure again to check the heating system is not too high or too low.



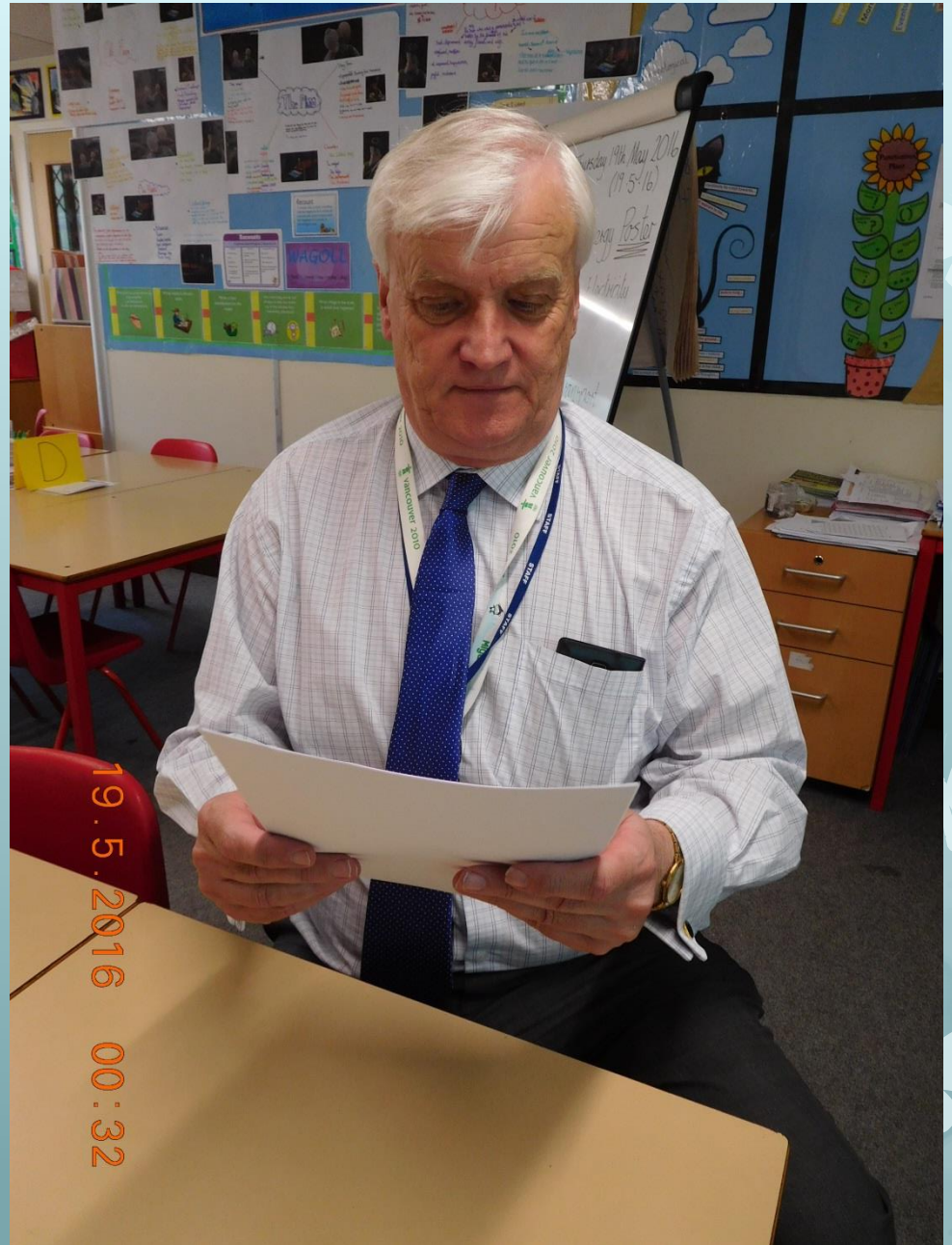
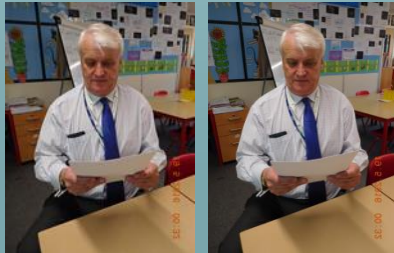
Here they are using  
the thermometers  
inside...





...and outside.

That evening,  
the staff got  
together to have  
a meeting all  
about saving  
energy. They  
were given a list  
of ideas. They  
listened really  
well!



On Wednesday afternoon, children from year 6 split into groups and learned how to use a special piece of equipment called a LUX meter to measure the light in school. They were looking for a reading of around 400 LUX as this is perfect light to work in. The LUX meter helped them to decide which lights should be left on and which can be turned off. They learned that daylight helps their brain to function more easily than using lights.



Here is the LUX meter being used.

The children then placed special coloured stickers on every light switch that they could find to show everyone how to make the best use of the lights.



This took a while as there were lots of areas to cover in school.





They designed a poster to help us to remember how to use the special stickers. You will find this poster around school.



Let's remind ourselves of how to use the special stickers you will find around school.

**GREEN STICKERS** mean **'YOU MAY NEED TO USE THIS SWITCH'**

**RED STICKERS** mean **'ONLY USE THIS SWITCH IF IT IS STILL TOO DARK!'**

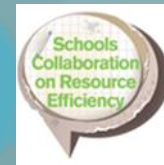
Most importantly, always remember to **turn off all lights when you do not need them!**





The Eco Team finished the week by discussing energy and water usage and made pledges for the whole school. You will hear them in a while.

Let's carry on for the rest of this year and forever working together to make lots of little changes. Let's **all** save energy (and money) and create fewer emissions which makes Radford more sustainable and responsible for the environment!



# Competition results!





**Whole school pledges and  
certificate!**

# A big thank you to everyone at Radford Academy

