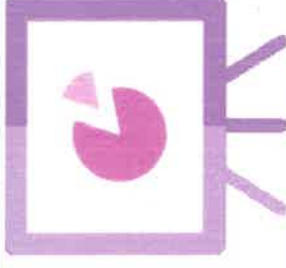




# Eco-School Action Plan



Pupils need to take the lead in developing the Action Plan

Date Action Plan was developed: November 2021

Action Plan developed by: Eco Councillors and Mrs Buxton

## Eco-Schools


Topic	Action	Target/Measure	Timescale/Deadline	Who is responsible?	Evaluation of action/ Actual result achieved
<p><u>Energy:</u></p> <p>To take part in 'The Pod' Energy Week.</p>	<p>Teaching staff to use energy lesson plans and resources from The Pod (<a href="http://jointhepod.org">jointhepod.org</a>) or other preferred resources.</p> <p>Children to investigate energy use, its environmental impact and how Climate Change impacts on people</p>	<p>Progress will be measured by the work the children create from this topic: written, iPad research, photo evidence.</p>	<p>July 2022</p>	<p>Teaching Staff</p> <p>Pupils</p> <p>Mrs Buxton</p> <p>Eco Councillors</p>	<p>By taking part in Energy Week, pupils will become more knowledgeable about how energy is produced, fossil fuels, renewable energy, smart homes, climate change and its impact on people.</p>



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	<p>globally.</p> <p>Also KS2 to investigate renewable energies and research IOT -- internet of things (smart homes plus switch of sensors for electrical devises in school).</p>				



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Energy Week (continued)	Pupils will undertake a home energy audit to help families in the local community reduce energy use (The Pod 'Energy Saving Mission').	Pupils will complete the energy surveys at home with their families, checking their electrical devices and discussing how they can reduce their energy use.	July 2022	Teaching Staff Pupils Mrs Buxton Eco Councillors Families and Carers.	After taking part in Energy Week and the home energy audit, pupils, parents, school staff and the local community will have an increased awareness of energy issues and the link between energy use and the potential for environmental damage.  They should also have the ability to change habits to improve their energy efficiency at home and school.

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To continue Light Detective weekly spot checks.	Eco Councillors or appointed class pupils to continue with weekly lunchtime classroom light checks.	Light Detectives will record lights left on when the classroom is empty and leave a happy/sad face calling card as a reminder to save energy.	Ongoing	Eco Councillors Appointed class pupils Mrs Buxton	Collated evidence from Light Detective spot check charts will show a decrease in lights left on over time (tally of happy/sad faces)
 Link to Global Goals 7 Affordable and Clean Energy – Target 7.2: By 2030 increase substantially the share of renewable energy in the global energy mix. Target 7.3: By 2030 double the global rate of improvement in energy efficiency.					

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<p><u>Water:</u></p> <p>To take part in Water Aid Week.</p> <p>Linking with Global Goals 6</p> <p>Clean water and Sanitation – Target 6.4: increase water use efficiency and ensure fresh water supplies.</p>	<p>Pupils will take part in Water Aid lessons/activities to understand the water cycle and learn about issues surrounding the availability of clean water and sanitation in other countries.</p>	<p>Pupils will fill in a KWL chart at the beginning and end of Water Aid Week.</p>	<p>Summer 2022</p>	<p>Teaching Staff</p> <p>Pupils</p> <p>Mrs Buxton – to book a volunteer speaker dependant on availability.</p>	<p>KWL chart will show how our pupils knowledge has expanded throughout the week.</p>

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Water (continued)	Pupils will investigate the potential sources of water pollution, (chemical discharge and agricultural runoff into rivers, plastic waste/animal suffering in oceans, etc).	Through researching potential sources of water pollution and how this effects the environment, (internet, books, etc), pupils will share the information with their peers, (e.g: by creating a Pic Collage, video recording).	Summer 2022	Teaching Staff Pupils Mrs Buxton	Pupils will gain a better understanding of the importance of the need for clean water for all living things.  Evidence of pupil's research will be displayed on the Eco board in the hall, for all to see. Pupils will be invited to video record/write down their thoughts and awareness they have gained by taking part in and reviewing other pupils displayed work.



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	<p>Pupils will investigate how their families can save water in their homes. Also why it is important to save water in Wales, including the process involved in getting clean water to our taps.</p>	<p>Pupils will take a water survey home to complete with their families.</p> <p>They will also be encouraged to watch the Dwr Cymru Welsh Water YouTube videos on 'How we clean your drinking water' and 'Using water wisely'</p> <p>Through exploring and debating the questions on the survey and watching the videos, families will become more aware of how to save water at home.</p> <p>Pupils will also be invited to bring their completed survey into school to discuss with their peers and Eco Councillors.</p>	<p>Summer 2022</p>	<p>Teaching Staff Pupils and family members Mrs Buxton</p>	<p>By taking part in the survey, watching the video clips and discussing the topic, pupils will have a better understanding of the importance of water and how to make water saving choices in their local and wider community.</p> <p>Completed, returned survey answers will be tallied up, discussed and evaluated by the Eco Councillors. They will then create further water use efficiency action plans, linking to Global Goal 6.4 if needed.</p>



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<p><u>Global</u> <u>Citizenship:</u> To take part in Fairtrade Fortnight.</p>	<p>a), Eco Councillors to review the Fairtrade Fortnight resources to enable them to promote the event in the whole school assembly.</p>	<p>The whole school community will listen to the Eco Councillors assembly and watch their chosen video/links.</p>	<p>February/March 2022</p>	<p>Mrs Buxton Eco Councillors</p>	<p>The school community will recognise the Fairtrade logo and understand its meaning and implications for farmers and workers in the developing world, by sharing knowledge and tasks undertaken, during a whole school assembly.  If Covid 19 restrictions still apply, pupils will share their knowledge with their class peers and Eco Councillors, by creating PicCollages/short videos.</p>



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	b). Pupils throughout school will take part in Fairtrade lessons.	Pupils will become aware of decent working conditions, local sustainability and fair terms of trade for farmers and workers in the developing world. They will begin to understand how their consumer choices impact on the lives of others.	February/March 2022	Teaching staff Pupils Mrs Buxton	A selection of actual results achieved from each class, for sections a) and b) to be stored on Q Drive as evidence.

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Establish an active link with a school in another country.	SLT and teaching staff to meet and pool ideas to decide on a school from another country to approach, (maybe linking to a local church in Ruabon that is twinned with a village from another country, or research 'One World' resources), with a view to linking together, depending on both parties curriculum needs.	A school from another country will be contacted and new links made that will benefit and enrich both schools and pupils. By engaging together, pupils will be helped to see and understand different views of the world and also to discuss environmental and global challenges (work based evidence).	Winter 2022	SLT Teaching staff	Pupils will have explored links between themselves and others and will gain understanding, respect and value for human diversity.  K.W.L. chart evidence, work based/video evidence

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<u>Biodiversity:</u> To participate in RSPB Big Schools Garden Birdwatch.	Eco Councillors to take part in the RSPB Big Schools Garden Birdwatch survey in the school grounds, submitting the results to the website. RSPB Big Garden Birdwatch to be promoted on the school newsletter so the local community are made aware and can also take part in their own gardens if they wish.	Eco Councillors to record the number of birds visiting our school grounds and to submit their results. These results to also be displayed on the eco page of the school website and to be shared on the eco board in the hall for our school community to see.	Schools birdwatch anytime between 5 <sup>th</sup> January to 21 <sup>st</sup> February 2022. Garden birdwatch between 28 <sup>th</sup> – 30 <sup>th</sup> January 2022	Eco Councillors Mrs Buxton Pupils/families Mrs Carson -- to promote the event on our schools newsletter.	Pupils have taken part and become aware of the variety of bird species in their local community. The school grounds results to be compared with last years' results and future survey results to see if varieties increase/decrease so action can be taken to encourage their numbers if needed.

Topic	Action	Target/Measure	Timescale/ Deadline	Who is responsible?	Evaluation of action/ Actual result achieved
To help improve the biodiversity at a local site outside of school.	Research a local site wishing to improve their biodiversity and happy to allow our school community to sow wildflower seeds on their grounds.	A wildlife survey and photographs will be taken of the chosen area before wildflower seeds are sown. The chosen area should produce a variety of wildflowers, encouraging bees, butterflies, moths and other beneficial pollinating insects to feed.	Autumn 2022	Teaching staff Pupils Mrs Buxton Eco Councillors Friends of Ruabon/ Ruabon Council	Before and after photographs and wildlife surveys should show an abundance of wildflowers and pollinators into the area.

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To provide an interpretive/information board near our school pond.	Our Eco and School Councillors will work together to design a weatherproof information board to be positioned near our pond.	The children's designs will be submitted to Mr Hamilton, (Head teacher), for approval before being submitted to a signs company for a quote. If school funds permit, the sign will be printed and erected at child height, near the pond.	Winter 2022	Mrs Buxton Eco Councillors School Councillors Miss Griffiths Mr Hamilton	The pond wildlife interpretive/information board will be used by the children and staff to help identify the creatures and plants that rely on the water and wetland area. A before and after photograph will be taken and our councillors will video interview children and staff for their thoughts on how helpful the information board is. This will be stored on Q drive as evidence.



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<p><u>Transport:</u></p> <p>To collect data on how pupils and staff travel to Ysgol Maes-y-Llan.</p>	<p>Provide a travel to school questionnaire for our school community to complete.</p>	<p>Data received will show the most popular way to travel to school and the percentage of pupils and staff currently not travelling by car. Eco Councillors to collate these results and monitor progress by surveying a sample of the same pupils every few months and recalculating the score.</p>	<p>Autumn 2022</p>	<p>Mrs Buxton</p> <p>Mrs Carson (business manager)</p> <p>Parent/Carers</p>	<p>Progress will be shown if the collected data records an increase in more environmentally friendly ways to travel to school, over time, especially after our Eco Councillors have taken part in the transport action below.</p>

Topic	Action	Target/Measure	Timescale/ Deadline	Who is responsible?	Evaluation of action/ Actual result achieved
To promote environmentally friendly ways to travel to school.  Linking to Sustainable Development Global Goals 13 Climate Action – Target 13.3.	Eco Councillors will look at the global impact (climate change) of air pollution and investigate methods of transportation in other countries before creating posters to promote environmentally friendly ways to travel.  Posters will be displayed around school and in the local community (eg: library, community notice board, school newsletter, website) and knowledge gained will be fed back to their class teacher and peers (in class or assembly).	Posters will be displayed in the local community, reminding pupils and local citizens of environmentally friendly ways to travel, which help to reduce air pollution.	Winter 2022	Eco Councillors Mrs Buxton	Progress will be shown if the recorded eco-friendly ways of travelling to school have increased, especially when surveying the sample group of pupils again after the poster/assembly event takes place.

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<p><u>School Grounds:</u></p> <p>To supply a Buddy Bench.</p> <p>Linking to Global Goals 3 Good Health and Wellbeing – Target 3.4: Reduce mortality from non-communicable diseases and promote mental health, helping to combat loneliness and feelings of isolation.</p>	<p>School Council and Eco Council to discuss where best to site a buddy bench, (using a bench already in the playground) and design a 'Buddy Bench/Mainc Cyfeillion' sign to attach to the bench.</p> <p>They will promote this bench in assembly.</p>	<p>Children feeling lonely at playtime will sit on the buddy bench enabling designated buddies to assist them in finding a friend/s to enjoy their playtimes with.</p>	<p>Autumn 2022</p>	<p>School Councillors</p> <p>Miss Griffiths</p> <p>Eco Councillors</p> <p>Mrs Buxton</p> <p>Playtime Buddies</p>	<p>Children choosing to sit on the Buddy Bench will be supported in finding someone to play with, promoting feelings of wellbeing. Playtime Buddies will record this in their Buddy Notebooks to show how they are helping to promote good mental health and helping to combat loneliness and feelings of isolation in our children.</p>



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To have visibly clear games painted on the playground.	Eco and School Councillors to discuss and recommend ideas for types of games their peers would like painted on the playground. These ideas to be shown to the Senior Leadership Team for approval.	Children will be able to enjoy playing a variety of games such as hopscotch, snakes and ladders, maths rocket games, etc, on their playground at break-times.	Winter 2022	Mrs Buxton Eco Councillors Miss Griffiths School Councillors Mr Hamilton and SLT Mrs Carson (to arrange contractors)	Photographs taken before and after will show the improvements to the playground and pupils enjoying using these games. Children's thoughts on the development captured on Seesaw video-clips/photos.

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To introduce new games from other countries for pupils to play.	Pupils to be taught a variety of games that are popular with children in other countries.	Carry out a survey of pupils trying out the new games and choosing their favourites. Take photographs of playtimes before and after games were introduced.	Autumn 2022	Teaching staff Sports Apprentice PE Co-ordinator	Photographs of children on the playground at a later date should show groups of children taking part in the new games, including Seesaw video-clip feedback from pupils.

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<p><u>Litter:</u> To record and reduce the amount of litter on the playground.</p>	<p>Pupils to continue to use the litter pickers in the playground at lunch time but also begin recording what type and amount of litter was present and where it was found.</p> <p>This will link in with the waste reduction project 'Plastic Free Wrexham – Surfers against Sewage'.</p>	<p>Regular litter picks and surveys on the playground, recording the type and amount of litter found daily. Eco Councillors to collate evidence into a graph and challenge suppliers via letter/email/ local M.P.</p>	<p>Autumn 2022</p>	<p>Eco Councillors – to distribute the litter pickers and record charts.</p> <p>Pupils – to take part in litter picking.</p> <p>Mrs Buxton – to create litter record charts.</p> <p>Mid-day Supervisors – to oversee safe use of litter pickers.</p>	<p>The litter recording charts should show a reduction of litter collected over time, with all pupils having the chance to be involved in cleaning up the school environment, which will also help raise a sense of personal pride and responsibility.</p>

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To take part in a community litter pick.  Link to Global Goals 14 Life Below Water – Target 14.1: Reduce Marine Pollution – By 2025 prevent and significantly reduce marine pollution of all kinds, in particular from land based activities, including marine debris and nutrient pollution.	a). Introduction to discuss problems caused to the environment and wildlife by dropping litter. b). Investigate litter problems and solutions from other countries. c). Then, pupils to look at a local map, to discuss and pinpoint their known 'grot spots' littered areas. d). Questionnaires to be distributed to families and the local community (shops/businesses), to examine peoples' attitudes to litter and to identify known litter problem areas.	Pupils and the local community, via questionnaires, will have identified problem litter areas.  The chosen area will be cleared of litter and the type and amount of litter removed will be recorded.  Before and after photos will be taken.  Anti-litter posters will be created, to be displayed in the cleaned area, if appropriate to do so.	Autumn 2022	SLT Teaching staff Pupils Mrs Buxton Eco Councillors Parents/Carers Friends of Ruabon	Photos of the cleared area will show an improvement to the local environment and will have a positive impact on the safety of wildlife living there.  Removing the litter from the area will also result in a reduction of litter getting into local waterways and eventually being carried out to our seas and oceans.  Receiving positive feedback given by the local community, via letter/email/follow up questionnaire,



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	<p>e). Decide on a (safe) littered problem area to conduct a litter survey (take photos before and after).</p> <p>f). Invite the local community and newspaper reporter to join in with a planned litter clean up.</p> <p>g). Take a survey of types and amounts of litter picked up on the day and weigh the rubbish bags at the end.</p> <p>h). Anti-litter posters to be displayed in the cleaned area (if appropriate).</p>				



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<p><u>Waste Minimisation:</u></p> <p>To recycle paper that has been used on both sides.</p>	<p>Pupils to write/email Wrexham Council to request a waste paper recycling initiative to be set up so schools in the local area can recycle their used paper – 'How can we be green if no recycling facility is provided'.</p> <p>Pupils also to create posters reminding everyone to use both sides of the paper before recycling it.</p>	<p>Pupils will write/email the local council and set up regular dialogue to ensure the waste paper recycling service comes to fruition.</p> <p>Posters created will be displayed in the hall where Breakfast Club takes place, also in Foundation Phase and Key Stage 2 areas to act as a visual reminder to use both sides of the paper before recycling it.</p>	<p>Winter 2022</p> <p>Summer 2022</p>	<p>Upper KS2 pupils</p> <p>Mrs Lewis (Year 6 teacher/Deputy Head teacher)</p> <p>Eco Councillors</p> <p>Eco Councillors</p> <p>Mrs Buxton</p>	<p>Evidence showing letter/email correspondence between pupils from Ysgol Maes-y-Llan and Wrexham Councillors. Schools in the Wrexham area benefitting from having a waste paper recycling service regularly collecting from school for a reasonable fee.</p> <p>Video evidence of pupils discussing the posters and commenting on their use of both sides of the paper.</p>

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Waste paper collection and recycling – continued.	In the meantime, year 6 pupils and staff to set up recycled storage bags for classes to put their waste paper in. These will be regularly collect and transported by a member of staff and a group of pupils to Cefn Mawr recycling centre.  *JL class to link their 'What a load of rubbish' topic with Surfers Against Sewage – Plastic Free Wrexham	Regular class waste paper collection bags to be weighed, recorded and recycled appropriately.  Pupils in each class to be encouraged to reuse the waste paper for other tasks before putting it in the recycling bag.	Autumn 2022	Mrs Lewis All staff Class JL pupils All pupils	The recorded weight of each classes regular paper collection should reduce over time as children are reminded, via the visual posters around school and encouraged to use both sides of the paper before recycling it.

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To collect and recycle pupil and staff break-time snack fruit peelings/waste.	Eco Councillors and staff on break duty to ensure pupils put their fruit waste (wet materials) in the compost bin collection, supplied. Bins to be emptied daily into the large veg patch compost bin.	Eco Councillors to carry out spot checks recording any fruit peel/waste being put in the general waste bin instead of being put in the compost bin collection.  Reminders to be announced in assembly if needed.	On going	Eco Councillors  Playground staff  Pupils  Caretaker	Fruit peel/waste will decompose in the large veg patch compost bin, to produce nutrient rich compost.  Over time, spot checks will show no fruit waste in the general waste bins.



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To recycle used paper hand towels.	The used paper hand towels (dry materials), will be collected from small bins near the paper towel dispensers and emptied in to the large compost bin daily.	Used paper towels will be recycled into compostable materials when mixed with the fruit peel (wet materials), instead of being disposed of in landfill.	On going	Eco Councillors Mrs Buxton Caretaker	Adding the used paper towels (dry materials), to the fruit peelings/waste (wet materials), will reduce the acidity content from the fruit and transform it into a nutrient rich organic material to be used as compost on the vegetable plot.  Photo evidence of a bumper crop of vegetables compared with last years photos.



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To take part in The Pod Waste Week campaign.	<p>“Would you like to become a Waste Buster Hero?”</p> <p>Classes to explore waste. What is it? Why do we need to reduce, reuse, recycle (RRR)? What happens to items that get recycled?</p> <p>Explore how people in other countries RRR.</p> <p>Is there anything we can reduce the use of in our school? (small milk bottles perhaps)?</p> <p>How can we promote the 3R's at home? (lunchboxes? – reduce the reliance of one use</p>	<p>Evidence generated from classes exploring this topic.</p> <p>Surveys/charts weighing (bottle?) waste before and after any changes are made.</p>	Summer 2022	<p>All staff</p> <p>Pupils</p> <p>Mrs Buxton</p>	<p>Record given of weight of waste before and after the Waste Week campaign.</p> <p>Written/video/ photo evidence generated from this topic should show pupils, staff and the local community having a greater understanding of the importance of reducing, reusing and recycling our waste products.</p>



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<p>These actions will link with Sustainable Development Global Goals 12 Responsible Consumption and Production – Target 12.5: Substantially reduce waste generation through prevention, reduction, recycling and reuse.</p>	<p>plastic, eg: cling-film, plastic food bags – by investing in a lunchbox with separate compartments).</p> <p>Pupils to be introduced to Global Goal 12.5</p>				



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<p><u>Health, Wellbeing and Food:</u></p> <p>To enable more pupils to enjoy the experience of growing, then eating their own food.</p> <p>Linking to Sustainable Development Global Goals 2 – Zero Hunger: Pupils to explore food production, food actions (eg: food waste) and food cultures.</p>	<p>Teaching staff to plan for their pupils to make more use of the growing beds/create growing areas and sowing seeds, - ensuring any fruit, herbs or vegetables harvested, are tasted by our young gardeners.</p>	<p>Before, during and after photo evidence from the growing season.</p> <p>Pupils to document their activities via Seesaw, written work, diagrams, videos, PicCollage.</p>	Autumn 2022	<p>Teaching staff</p> <p>Support staff</p> <p>Pupils</p>	<p>Evidence of pupils documenting their growing experiences via Seesaw, written work, diagrams, videos, PicCollage, will show how they have developed their understanding of food production through practical activities, including evidence showing the children tasting, exploring and enjoying new foods.</p>