

Our Eco-Schools Action Plan

Target	Action	Who's Responsible	Cost	Time scale	How will we measure progress?
<u>Healthy Living:</u> To encourage pupils to have 2 pieces of fruit/vegetables in their lunch boxes.	Spot-check pupils eating packed lunches (brechdanau), giving out stickers to those who have 2 pieces of fruit or veg included in their lunch box.	Staff on dinner hall and playground duty.	Minimal price for purchase of stickers.	Once a week, ongoing.	Record to be kept of number of stickers issued weekly. Evaluation: Sticker total should increase over time.
To increase the amount of pupils having the experience of planting and growing food in the school grounds and eating the produce.	After school gardening club available for children interested in becoming 'young gardeners', planting, growing and harvesting food and eating it. Surplus fruit/ veg to be offered to the cook to prepare so the whole school community have the opportunity to sample it.	Mrs Agramme. Gardening Club pupils. Cook. School Community.	£10 approx to purchase seeds.	Summer/Autumn term 2018	Growing beds and poly-tunnel used by gardening club (photo evidence). Evaluation: Pupils/staff taking part to self evaluate the success of their harvest and their enjoyment.

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Healthy Living (Page 2): To ensure pupils and teachers know what a heart rate of 140bpm feels like.	Physical Education curriculum to include teaching pupils how to take their pulse rate at rest and after exercise to experience how a heart rate of 140bpm feels.	SLT Teachers delivering PE sessions.	-	From Summer term 2018 – ongoing.	Teacher to ensure pupils understand where their pulse is and how to count it accurately. Evaluation: Pupils able to explain and demonstrate to members of staff and other pupils how to measure their pulse.

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Waste Minimisation To recycle paper that has been used on both sides.	Research and organise a paper recycling company to supply our school with a recycling bin and regular collection dates.	JL Class pupils. Mrs Carson (Administration Officer). Mr Hamilton (Head Teacher), to approve.	To be researched	To be up and running by Summer 2018	Mr Davies to inform Mrs Carson of any problems with the collection service. Evaluation: Invoices from recycling company show used paper is being recycled.
	Caretaker to ensure that the used paper from the recycling bins inside the school building is emptied into the correct outside recycling bin.	Mr Davies (Caretaker). Cleaning Operatives.	–	“	“
	Posters to be created to remind the school community to put used paper into the recycling bin.	Eco Councillors	–	Summer 2018	Eco Councillors to undertake regular spot checks and record results of all the indoor bins to ensure everyone is only putting used paper into the paper recycling bins. Evaluation: Results over time will show an improvement of used paper put into the correct bin.

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Waste Minimisation (continued – page 2): To reduce the amount of paper used when photocopying.	Ensure school staff remember to photocopy on both sides of the paper where possible, by creating posters and displaying these near the photocopier and paper store.	All staff. Mrs Carson. Eco Councillors.	Possible savings on paper purchases.	May 2018	Mrs Carson to keep a record of A4 paper usage and amount ordered. Evaluation: Over time the paper order should show a reduction of boxes ordered.
To reuse scrap paper.	Contents of the scrap paper tray and spare pages from old work books to be made into useful notepads, instead of using (orange) 'working out' jotters.	JL Class. Eco Councillors. Mrs Buxton.	Possible savings with a reduction of books ordered.	Summer 2018	Pupils throughout school will begin to use these notepads as they fill up their current working out books. Evaluation: Orange working out jotters will not be ordered/amount ordered will be reduced (compare order delivery invoices over time).
To minimise waste going into landfill by recycling used cans/glass bottles/plastic packaging.	Research and organise a company to supply an appropriate recycling bin to collect used cans/glass bottles/plastic packaging.	JL Class pupils. Mrs Carson. Mr Davies.	Research cost for the collection service.	Summer 2018.	Mr Davies to report to the Eco Councillors/Mrs Carson, on the successful use of the bins. Evaluation: Less waste going into the general waste bin and landfill.

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Waste Minimisation (continued – page 3): To minimise waste going into landfill by recycling tin/glass bottles/plastic packaging.	Provide and introduce use of small recycling bins in the school corridors and staffroom, via whole school assembly.	Mrs Carson (to order bins). Eco Councillors. Mrs Buxton. Mr Davies.	Research cost for the small bins/search for any spare bins available in school to reuse.	Summer 2018	Mr Davies to report to the Eco Councillors and Mrs Carson on the successful use of the recycling bins. Evaluation: Less/no recyclable waste in the general indoor waste bins.
To recycle KS2 break-time snack fruit peelings/waste.	Supply a break-time snack waste bin for KS2 to use, to be emptied in the outside compost bin along with F.P. snack bins already in use. To be introduced along with a reminder to put non-compostable litter in the playground bins provided.	Mrs Buxton. Eco Councillors.	Minimal cost for a small bin/or re-use a spare container already in school.	Summer 2018	Eco Councillors to check/remind pupils to use the new bin at break-time, and continue with recorded spot checks over time. Evaluation: Compost collection bin to be used daily and emptied into large outside composter. Spot check results show the biodegradable objects are regularly placed in the correct bin.

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Waste Minimisation (continued – page 4): To prepare and use school made compost.	Gardening Club to turn compost bins regularly and use nutrient rich compost on growing beds and in the poly tunnel.	Mrs Agramme. Gardening Club members.	Possible savings on buying in compost for the growing season.	Summer 2018	Compost is turned regularly to encourage decomposition. It is spread on all the growing plots when fully recycled into fertiliser. Evaluation: Nutrient rich compost has enriched the soil and provided a bountiful harvest.

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Transport: To provide a dry, secure cycle storage for pupils.	Review school grounds and provide a dry secure cycle storage for pupils, that is safe for them to access on their own, away from the car park.	Mr Hamilton. SLT. Governors.	To be researched.	Autumn 2018.	Pupils will feel encouraged to use their bike to travel to school knowing it will be securely stored on the school grounds until the end of the school day (survey the use of the cycle storage). Evaluation: Pupils riding a bike to school will increase over time, due to safety of dry storage area. Regular surveys of cycle storage usage, shows popularity increases over time.
To ensure new families are provided with information in the school prospectus regarding the school travel policy and arrangements.	Review/update the school prospectus to ensure information on the school travel policy and arrangements is provided.	Mr Hamilton. SLT.	-	Summer 2018	Any extra information is added to the school prospectus regarding the school travel policy and arrangements if needed. Evaluation: New families will be able to access school travel policy and arrangements from the school prospectus.

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Litter: To reduce the amount of litter in the playground and on the public path in front of the school fence and gates, some of which blows into the playground.	Pupils to take part in a litter survey recording data and using a map or plan of the area to be surveyed. Questionnaires distributed to families and the local community to examine people's attitudes to litter.	Pupils. Staff. Eco Councillors. Mrs Buxton. Local community.	-	Summer 2018	Regular surveys and litter picks of the cleaned area, recording the amount of litter collected. Evaluation: Amount of litter collected should reduce over time.
	Litter pick event inviting the local community along. Pupils to design posters to display on the school gates/fence to encourage litter to be disposed of in the bin nearby or taken home to recycle.				

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Litter (continued - page 2): To reduce the amount of litter in the playground and on the public path in front of the school fence and gates, some of which blows into the playground.	Pupils to continue having the option of using litter pickers in the playground at lunch time, as they have been doing since 2017. Large labels to be attached to all the playground bins to make them more visual.	Pupils. Mrs Buxton. Mr Hamilton.	-	Summer 2018	Regular surveys and litter picks of the cleaned areas, recording the amount of litter collected. Evaluation: Amount of litter collected should reduce over time.
To have a clear policy on litter.	Create an Anti-litter Policy.	SLT. Mrs Buxton Governors. <i>Anti-litter Policy approved by governors 1/5/18</i>	-	Summer 2018	Regular surveys and litter picks of the cleaned areas, recording the amount of litter collected. Evaluation: The Eco Councillors will report on the condition of the grounds and buildings fortnightly as part of ongoing Eco-Schools meetings.

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<u>Litter</u> (continued – page 3): To encourage children to have more environmentally friendly lunchboxes.	Encourage use of boxes that have compartments to lower use of cling film and foil. Also encourage the use of reusable drinks bottles.	SLT Mrs Buxton Pupils Parents/carers	-	Summer 2018	Awards given out in assembly by the Eco Councillors for 'green' lunchboxes. Photo evidence of the 'green' lunchboxes to be displayed on the Eco board in the dining hall. Evaluation: Before and after photo evidence showing less cling film, foil and plastic bottles put in the dinner hall bins.

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Water: To save water costs by changing to push down taps in the children's toilet areas.	Replace all taps in the children's toilet areas, to the push down style.	Mr Hamilton. SLT. Governors. Eco Councillors and Mrs Buxton (meter readings). <i>(Mr Davies informed Eco team that water meter is at the roadside + offered to take the readings)</i>	To be researched.	Summer 2018	Taps in all pupils toilet areas are changed over to easy use push down taps to reduce water usage. Weekly meter readings to record water usage before/after taps have been replaced. Evaluation: Water meter readings reduce once the push down taps have been fitted.
To reduce the amount of water used in the boys urinal, when they are not in use.	Water meter readings to be taken on a Friday as school closes and Monday as it opens, to calculate the amount of water wasted by the urinals flushing using the set control system at the weekend. Following this water wasted reading, Mr Davies (Caretaker), to adopt the new procedure of turning the urinals off in the evenings, weekends and holidays.	Eco Councillors (water meter readings if accessible). Mr Davies. Mrs Buxton.	Possible savings.	Summer 2018 <i>1st reading 27/4/18</i>	Water meter readings to be recorded before and after urinals are turned off, to calculate any water savings. Evaluation: Recorded water readings should show a reduction in water wasted.

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School Grounds: To provide a permanently dry blackboard/large lego area on the playground.	Attach a perspex roof shelter over the area used to chalk on the blackboards, that are fastened to the wall. This will ensure the boards, chalk, lego and floor area keep dry (even if it's rained before playtime).	SLT to research and provide, if this is feasible to attach.	Builder's time and materials.	Autumn 2018.	Take regular photos of children comfortably playing in this popular outdoor area, being able to build up their lego on the dry floor and use dry chalk and boards. Evaluation: Photo evidence shows that the wet playground floor from earlier rain showers does not dictate when the children use this area.
To create a log pile near the pond.	Children to collect fallen branches, twigs, etc from the Forest School floor, to build a log pile in the vicinity of the pond.	Staff. Pupils. Mrs Buxton. Eco Councillors.	—	Summer/Autumn 2018	Staff and pupils to visit the log pile at regular intervals to record the type of mini-beasts/insects inhabiting the structure. Pupils to add extra leaf litter, etc, when needed, to the log pile to ensure the inhabitants have an adequate hide-away. Evaluation: Record of type of mini-beasts/insects found in the log pile increases over time.

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School Grounds (continued – page 2): To create a small meadow area in the school grounds.	1. Consult with SLT to agree the best place to create a small meadow area. 2. Area to be dug over and sown with wild meadow seeds. Stepping stones to be situated through the meadow so pupils will be able to access the area, on foot or by wheelchair, without disturbing the plants and wildlife. 3. Signs created and positioned around the border of the meadow to identify its whereabouts, so the council lawnmowers are able to avoid this natural meadow habitat. 4. Once established,	SLT. Governors Eco Councillors. Mrs Buxton. Gardening Club. Mrs Agramme.	Sack of wildflower meadow seeds, stepping stones and signs.	Summer/Autumn 2018 to prepare the site. If the soil is light, seeds can be sown in Autumn 2018. For heavier soil, sow during March and April 2019.	Photo evidence of the project developing and wildflower meadow establishing, encouraging visits from varied and diverse wildlife (eg: mini-beasts, birds, bees, amphibians, hedgehogs and bats). Evaluation: Ysgol Maes Y Llan to have an established, peaceful wildflower meadow the wildlife, children, staff and visiting local community can enjoy. 3. Signs positioned around the wildflower meadow perimeter ensure everyone is aware of its purpose. Evaluation: The area is left to grow naturally.

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School grounds (continued – page 3): To create a small meadow area in the school grounds.	meadow to be cut in the Autumn when all the grass/plant seeds have dispersed. Dried grass/plant stalks to be raked up and composted before winter	See previous page		Every Autumn from 2019.	4. Pupils to shake seed heads to ensure all the seeds have been dispersed before cutting back the dried vegetation. Some plants, eg: Teasel to be left uncut to provide the birds with seeds to eat over winter and ladybirds, etc to hibernate in – photo evidence. Evaluation: The following Spring should see the seedlings emerge and plants to grow again – photo evidence.
To have a functioning pond again.	Contact the Amphibian and Reptile Society to repair the pond liner. (PH previously discussed this project with the society, who offered to take on this task.)	Mrs Buxton. Mr Hamilton. Amphibian & Reptile Society	Money is available from a recent grant to improve the outdoor areas.	Summer/Autumn 2018	The pond water level will be stable, encouraging mini-beasts/amphibians to inhabit the area. Children to take part in pond dipping sessions, recording their findings. Evaluation: Results from regular pond dipping sessions will show an increase in inhabitants.
To repair bird boxes and re-site if needed.	Bird boxes to be checked, cleaned, repaired and re-positioned if necessary.	Mr Hamilton. DIY Club. Eco Councillors. Mrs Buxton.	–	Spring 2018	Bird boxes will be used by the birds to successfully hatch and rear their young. Evaluation: Nest boxes checked in Autumn will reveal remains of

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<u>School grounds</u> (continued – page 4): To repair bird boxes and re-site if needed.	See previous page				nests showing they have been used this year. If any have not been used they can be fastened in another spot for the following breeding season.
To use the bird seed feeders and bird hide.	Bird seed feeders to be washed, repaired if needed and filled with appropriate seed regularly. Bird hide to be tidied up and used by pupils and staff to observe bird species at the feeding station.	Staff. Pupils. BB Class. Eco Councillors. Mrs Buxton.	£5 bag of bird seed as and when required.	Spring/ Summer 2018 – ongoing.	Seed feeders to be refilled before they get empty to encourage regular use by the birds. Pupils to observe the birds from the bird hide, filling in regular bird-watch surveys to document how many varieties visit the area. Evaluation: Survey results show the variety of birds regularly visiting the feeding station.

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Global Citizenship: Enable the Eco Councillors to become knowledgeable about Fair Trade Fortnight and Sustainability.	Eco Councillors to visit the local environmentally friendly, new Tesco supermarket building. Tesco's Community Champion to explain the importance of Fair Trade and Sustainability. Eco Councillors to feedback this information to their class peers.	Eco Councillors. Mrs Buxton. Mr Hamilton. Tesco Community Champion. Miss Dodd (newsletter and website update).	-	February 2018 23/2/18	Eco Councillors will inform the rest of the school community about Fair Trade – what it means for farmers and their local community. This will also be on our newsletter, website, Twitter, to reach the wider school community. The children will be able to recognise the logo to look for when shopping with their families. Evaluation: The school and local community will recognise the logo and understand its meaning, enabling them to make informed choices when purchasing goods.
Establish an active link with a school in a developing country.	Teaching staff and SLT to pool ideas in a staff meeting to decide on a school in a developing country to approach, with a view to linking up with, depending on both parties curriculum needs.	SLT. Teaching staff.	-	Summer 2018	A school from a developing country will be contacted and new links made that will benefit and enrich both schools and their pupils. Evaluation: Pupils have explored links between themselves and others in the developing world (work based evidence to add to Eco file).

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Global Citizenship (continued – page 2): To introduce games from other countries.	Pupils from both linked - up schools to learn about each other, sharing their favourite playground and indoor playtime games.	Teaching staff. Pupils.	-	Summer 2018	Photo evidence of pupils playing and teaching the new games (introduced by pupils from the linked- up school), to their friends in other classes, on the playground and during indoor playtime in class. Evaluation: Pupils continue to enjoy and play games that were introduced to them from children in another country (photo evidence).
Ysgol Maes y Llan to take part in the World Wildlife Fund 'Earth Hour' campaign.	Eco Councillors to research WWF Earth Hour campaign and deliver to the whole school in a special assembly. Also to write down their promises to help look after our Earth.	Eco Councillors. Mrs Buxton.	-	March 2018	All school to attend the assembly whilst the Eco Councillors show and explain the WWF Earth Hour power point and film clip and read out their promises they have made to their home – Earth. This event to be promoted on the school newsletter and website. Eco Councillors will take a survey of each class to show how many families took part in the event. Evaluation: Pupils are made aware of this event, have discussed it with their families, made their promises and taken part. Eco Councillors

22/3/18

23/3/18

12/4/18

✓

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Global Citizenship (continued – page 3): Ysgol Maes Y Llan to take part in World Wildlife Fund 'Earth Hour' campaign.	See previous page				survey shows how many pupils took part in each class, on the night of 24 th March 2018 at 8.30pm, for one hour. ✓ 12/4/18

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Energy To reduce electricity usage.	To switch lights off when the room is not in use or there is enough daylight. Eco Councillors to remind teaching staff in their classrooms if needed.	All staff. Eco Councillors.	Hopeful saving	Ongoing	'Light detectives' spontaneous spot checks at break/lunchtimes, recording results. Evaluation: Light detectives results will show a decrease in lights left on over time.
	Eco councillors to create 'switch off – reduce energy', 'switch off – save money' posters to be positioned next to light switches throughout school.	Eco Councillors. Mrs Buxton.	–	Spring 2018	Less lights left on in empty rooms, from 'light switch on audit' at beginning compared to spot checks throughout the term.
	JL Class Spring Term Environmental Topic: To research what renewable energy sources and energy efficient, cost effective light bulbs are available to our school.	Mrs Lewis. JL pupils.	To be researched.	Spring 2018	Findings to be presented to Mr Hamilton (Head Teacher) and Maes-y-Llan Governors. Evaluation: Energy saving ideas/products to be taken on board and used if possible.

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Energy (continued – page 2): To reduce electricity usage.	Eco team/JL class/Caretaker to read electricity meter weekly and record results on a bar chart. Chart to be shown and explained in assembly, throughout the school year, with energy saving/wasting consequences explained.	Eco Councillors. JL pupils. Mr Davies (Caretaker).	–	Ongoing.	Weekly results to be on view on the Eco Board for all the school community to see. Evaluation: Readings to reduce over time, compared with previous years readings.
To ensure the hot water taps are a comfortable temperature.	Eco Councillors to measure and record water temperature in the toilet sinks. Findings to be given to Mr Davies (Caretaker), to request the temperature is reduced to a comfortable heat if needed.	Eco Councillors. Mrs Buxton Mr Davies	Possible reduction in energy costs.	Spring 2018	Further water temperature readings are taken and checked against first readings. Water temperature should show a reduction if needed. <i>First reading 20/4/18.</i>
To reduce the amount of energy lost throughout the school buildings.	Eco Councillors to ask Mr Davies and cleaning staff if all blinds, where accessible, could be closed at night from Autumn to Spring to reduce the amount of overnight heat loss.	Eco Councillors. Mrs Buxton. Mr Davies and cleaning operatives.	Possible reduction in energy costs.	Spring 2018	Eco Councillors and Mrs Buxton to ask Mr Davies, at intervals, if he has noticed that the classrooms do not need the heating thermostats turned up as much first thing in the morning. <i>(Record on Eco minutes).</i>

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Energy (continued – page 3): To reduce the amount of energy lost throughout the school buildings.	Year 5/6 Prefects to ensure the inner cloakroom doors are closed at lunchtimes, when pupils are playing outside (from Autumn to early Summer). Eco Councillors to create posters to display near these doors.	Year 5/6 Prefects. Eco Councillors. Mrs Buxton.	Possible reduction in energy costs.	Ongoing.	Eco Councillors to do spot checks and record results as they go outside to play after eating their lunch. These results to be checked and discussed regularly at Eco meetings. Evaluation: Energy graph shows a reduction in energy use over time, compared with previous year.
	If the classroom/office gets too warm, staff are to turn radiators/hot air grilles down (where accessible), before opening a window. Eco Councillors to create reminder posters to be displayed near windows that can be opened.	All staff. Eco Councillors. Mrs Buxton.	Reduction in energy costs.	Summer 2018	Eco Councillors to remind their class teaching staff if needed. Evaluation: Energy graph shows a reduction in energy use over time, compared with previous year.
To reduce electricity waste.	Coding Club/RE class to research energy saving/switch off programmes to download onto computers/laptops/i pads if possible.	Coding Club/RE pupils. Miss R Evans. Mrs M Jones.	Purchase price to be researched.	Summer 2018	Coding Club/RE class to present any findings to the Eco Councillors, Mr Hamilton and Governors. Evaluation: Programmes to be bought if the purchase price is acceptable.