



## Climate Action Plan

School Name: Alcester Academy

One year plan: Autumn 2024 – Summer 2025

Head: Sarah Mellors	Sustainability Lead (SL): Liv Nemeshanyi Interim Lead: Charlie McKenzie (Assistant Head)	Site Manager: Paul Hook	School Business Manager: Cari Haynes	Caterer: Miquill (new contract)	LGZ CAA: Sarah Mills
------------------------	---	----------------------------	---	------------------------------------	-------------------------

**Your Carbon baseline: 754 tCO<sub>2</sub>e** (*using average food/international trips/staff commute data*) **Date: 19/12/24**

What has already been achieved?

Action	Area
✓ Eco team and sustainability lead in place	Culture
✓ Alliance collaboration around sustainability, SGGS, Alcester Academy, Stratford HS and Shipston HS	Culture
✓ Hosted Alliance Sustainability Conference June 2024	Culture
✓ Students participated actively in Stratford District Council Climate Assembly	Culture & Green Skills
✓ Sustainability Academy curriculum in place	Curriculum
✓ Careers Fair planned for Jan '25	Green Skills & Careers

## Decarbonisation and Energy Efficiency:

Calculating and taking actions to reduce carbon emissions and becoming more energy efficient

Action	Cost benefit	Ease of implementation	Timeframe	Key stakeholders	Link to School Improvement Plan	Progress Track
<b>Sign up to Let's Go Zero.</b> By joining this campaign, your school confirms that it is taking action now to reduce its own carbon impact, and that it demands the UK Government help all schools reach this goal by the end of the decade. <a href="#">Let's Go Zero</a>	<b>Input:</b> No cost  <b>Output:</b> No savings	Easy	<b>Start date:</b>  <b>Review date:</b>			Signed up 13/9/24
<b>Count Your Carbon, Carbon Calculator:</b> This free digital tool allows you to calculate the carbon footprint for your educational setting across all 3 scopes and provides a baseline against which progress can be measured after following action plan. <a href="#">Count Your carbon</a>	<b>Input:</b> No cost  <b>Output:</b> High savings	Moderate	<b>Start date:</b>  <b>Review date:</b>	Sustainability Lead		Partially completed, missing data on meals, daily staff commutes and international school trips.
<b>Energy – behaviour</b> 1. Take part in a Switch off Campaign e.g. Switch off Fortnight. Participating schools save on average 10% of energy. 2. Sign up to Energy Sparks energy monitoring platform to see energy use and site-specific recommendations including £ and CO2e saved. Educational resources and competition between schools help students lead action on energy efficiency. The average secondary saves £12k/yr. ES costs £545/yr. 3. Introduce a school policy around lighting use, enlist help of eco team 4. Avoid heat loss through doors left open students can educate community on the impacts (skits, posters, homeroom announcements etc. ) and create signs to remind people to close them. 5. Enlist staff help to ensure sleep settings are in place on projectors and that they are fully turned off overnight & at weekends/ holidays.	<b>Input:</b> Energy Sparks costs £545/yr  <b>Output:</b> Average secondary saves £12k by following Energy Sparks recommendations	Easy	<b>Start date:</b>  <b>Review date:</b>		<b>Personal Development:</b> Our school consistently promotes the extensive personal development of pupils through our sustainability work. The school goes beyond the expected, so that pupils have access to a wide, rich set of experiences such as running our Energy campaigns.	

<b>Energy – audit and retrofit</b> <ol style="list-style-type: none"> <li>1. Prioritise completing LED lighting retrofit to save up to 75% energy.</li> <li>2. Undertake a student-led school audit to identify areas of thermal loss with thermal imaging camera. Borrow camera from LGZ or Low Carbon Works Network.</li> <li>3. Seek advice from <a href="#">Barker</a> to explore conducting energy audit or Heat Decarbonisation Plan, they can advise on available funding such as <a href="#">npower Foundation   community fund</a></li> <li>4. Seek further solar advice and min. 3 quotes. Heart of England Community Energy have pilot Solar soft Loan scheme (repayment based on savings). Stratford Energy is local and Ineco are working with many Coventry schools. Nationally, Solar for Schools have various funding models. (worth asking Barker's advice on solar, too)</li> </ol>	<b>Input:</b> 1 and 4 require funding, 2 and 3 free  <b>Output:</b> Varying ROI but 1 and 4 will make large long term savings.	Moderate and hard	<b>Start date:</b>  <b>Review date:</b>	SBM		
<b>Procurement</b> <ol style="list-style-type: none"> <li>1. Consider carbon footprint and environmental practices of the services/ companies you use. Develop a sustainable procurement policy such as <a href="#">this Eco Schools example</a>.</li> <li>2. Switch to recycled/sustainably sourced paper.</li> <li>3. Establish procedures for the reuse of school supplies and use sites such as <a href="#">Trasch.co.uk</a> and <a href="#">School Resources Exchange</a> to donate, swap, buy or sell items</li> <li>4. Consider Revenue Recovery using the free services of <a href="#">Sustainable Energy First</a> to review past 6 years of utilities to check for overcharging.</li> </ol>	<b>Input:</b> Free  <b>Output:</b> Potential savings from 3 and 4	Easy	<b>Start date:</b>  <b>Review date:</b>	SBM	<b>Spiritual, moral, social and cultural development:</b> Our school sustainability work engenders acceptance of and engagement with the fundamental British values of individual liberty and mutual respect. Activities such as our Eco Team's Uniform recycling work ensure that children know how to value and respect our world and each other.	
<b>Food</b> <ol style="list-style-type: none"> <li>1. Ask Miquill to sign up for <a href="#">Proveg School Plates Award</a> free menu consultation, recipes, and training for increased plant-based content. Co-benefits re: inclusivity, cost and health. Request one low-carbon menu day per week.</li> <li>2. Run student-led assembly on food &amp; sustainability. <a href="#">Better Planet Education</a> free lesson plans and presentations inc. Food Waste, Fairtrade and Farming &amp; Environment. Weigh a week's food waste to calculate CO2e. <a href="#">ES free food waste CO2e calculator</a></li> <li>3. Contact Clearaway to request food waste diversion to anaerobic digestion (required by law from April '25) or consider new provider, such as Veolia. Have separate bins for food waste in the kitchen/ cafeteria.</li> </ol>	<b>Input:</b> Free  <b>Output:</b> Some potential savings for caterer and possible savings on waste with less being created.	Easy/Moderate	<b>Start date:</b>  <b>Review date:</b>	SBM and SL	<b>Personal Development:</b> The way our school goes about developing pupils' character through their Climate Conscious choices is exemplary and is worthy of being shared with others. We work with schools across our alliance sharing our strategies and successes to benefit one another.	

4. Investigate feasibility of composting fruit/veg food waste onsite and using in the school garden in closed composter.						
<b>Transport</b> 1 Sign up for Wark's Road Safety team's secondary program <a href="#">The Journey</a> to access free in-person training plus support and create active travel plan. Contact <a href="#">Safe Neighbourhoods</a> , to seek police assistance in reinforcing safe driving near school. 2 Encourage those who live nearby to walk or bike to school. Carry out termly student/staff travel surveys to understand and tackle barriers. Energy Sparks has a tool. Host cycling proficiency lessons such as <a href="#">Bikeability</a> through WCC. 3 Encourage staff and students to bike to school with adequate secure and sheltered bike storage. Access community funds (ST, Tesco, Morrisons, Veolia or similar) 4 Investigate EV charging points with government funding for on site points for up to 75% of cost, (grant open until Mar '25). Providers such as Blink and HelloSmart can advise.	<b>Input:</b> Free for 1&2, 3 may be funded and most of 4  <b>Output:</b> NA	Moderate	<b>Start date:</b>  <b>Review date:</b>	PSHE lead, SL, SBM	<b>Personal Development:</b> We develop pupils character through developing their understanding of how to keep physically healthy, eat healthily and maintain an active lifestyle, including giving ample opportunities to learn about sustainable lifestyle choices.	
<b>Waste</b> 1. Ensure new recycling bins are located where they are needed and that they are clearly labelled to make recycling easy. 2. Run student led assembly on recycling and appoint monitors to make recycling part of the culture. <a href="#">Wastebusters</a> has lessons and assemblies. Arrange Materials Recycling Facility student visit through Craig Bourne at SDC. 3. Work towards achieving <a href="#">Plastic Free Schools</a> accreditation. Use free resources to educate on reducing plastic waste and eliminate 3 types of single-use plastic to receive a plaque. 4. Explore having students to bring their own reusable containers/cutlery for food to reduce disposable plateware.	<b>Input:</b> Free  <b>Output:</b> NA	Easy/Moderate	<b>Start date:</b>  <b>Review date:</b>	SBM, SL and Eco Team	<b>Personal Development:</b> There is strong pupil take-up of the opportunities to be involved in waste reduction projects provided by our school. The most disadvantaged pupils consistently benefit from this excellent work for example by working in our Eco Team coordinating our waste projects.	

## Climate Adaptation and Resilience:

Taking actions to reduce the risk of flooding and overheating and to future-proof scarce resources for potential shortages

Action	Cost	Ease of implementation	Timeframe	Key stakeholders	Link to School improvement plan	Progress Track
<b>Water</b> <ol style="list-style-type: none"> <li>Book a free water audit from <a href="#">Severn Trent</a> (available from April '25 through Green Recovery funds) schools can save up to 18% and receive water saving kit as needed.</li> <li>Consider conducting student led <a href="#">school water audit</a> using this resource from Anglian Water.</li> <li>Invite <a href="#">Severn Trent's education team</a> to bring the ST Digibus to school or run a trip to their education centre in Derby. Contact <a href="mailto:siobhan.bray@severntrent.co.uk">siobhan.bray@severntrent.co.uk</a></li> </ol>	<b>Input:</b> Free  <b>Output:</b> Potential savings with reduced water use.	Easy	<b>Start date:</b>  <b>Review date:</b>	SBM & SL	<b>Leadership and management:</b> Governors or trustees ensure that the school fulfils its statutory duties, for example the health, safety and wellbeing of all pupils with regards to extreme weather events.	
<b>Adaptation &amp; Resilience</b> <ol style="list-style-type: none"> <li>Ensure site team checks gutters and drains as needed to allow for suitable drainage.</li> <li>Conduct a Learning through Landscapes <a href="#">School Grounds Climate Survey</a> with students, using digital or pdf tool to stimulate discussion around developing a climate ready school ground.</li> <li>Consider strategic planting/creation of permeable surface to mitigate flooding. See <a href="#">Water Management section</a> of Learning Through Landscapes' resources. Article discussing SuDS with a link to some resources and case studies. <a href="#">Sustainable drainage systems for schools – environmentally friendly flood prevention – Buying for Schools</a></li> </ol>	<b>Input:</b> 1&2 free 3 will vary, could be funded by community fund or PTA  <b>Output:</b> NA	Easy/ Moderate	<b>Start date:</b>  <b>Review date:</b>	SBM, SM and SL plus Eco Team		
<b>**Schools at risk of flooding can consider <a href="#">Joining the risk protection arrangement (RPA) for schools - GOV.UK</a>. Comprehensive risk protection insurance for the education sector. Under RPA, the UK government covers the losses instead of commercial insurance.</b>						

## Biodiversity and Green Infrastructure:

Creating habitats and adopting practices that will enhance species diversity on the school estate and beyond

Action	Cost	Ease of implementation	Timeframe	Key stakeholders	Link to School improvement plan	Progress Track
<b>Nature</b> 1. Enrol in DfE's <a href="#">Nature Park</a> . Map your grounds and monitor nature on your site over time. Nature Park resources inc. lesson plans, outdoor design tool and funding search tool. 2. Conduct Wildlife Surveys using the Nature Park tool or take part in activities such as the <a href="#">Big Birdwatch</a> with the RSPB. 3. Establish a gardening/ nature club. 4. Develop outdoor space e.g. wildflower planting and hedging. Warks Wildlife Trust (contact Olivia.Williams@wkwat.org.uk) will plant to increase biodiversity-funded by Severn Trent. 5. Consider creating outdoor learning spaces with seating, shade and suitable accessibility – potential funding Npower.	<b>Input: Free</b>  <b>Output: N/A</b>	Easy/Moderate	<b>Start date:</b>  <b>Review date:</b>	Sust lead	<b>Behaviour and attitudes:</b> Pupils behave with consistently high levels of respect for others. They play a highly positive role in creating a school environment in which commonalities are identified and celebrated, difference is valued and nurtured. Examples of this can be found in our whole-school global action on protecting nature.	

## Climate Education, Green Skills and Green careers:

Ensuring the education you provide gives knowledge-rich and comprehensive teaching about climate change, and that your teaching staff feel supported to offer this

Action	Cost	Ease of implementation	Timeframe	Key stakeholders	Link to School improvement plan	Progress Track

<b>Culture - students</b> 1. Schedule regular Eco Team meetings– monthly? As after school club? 2. Plan sustainability assemblies led by Eco Team/external partners to engage community e.g. Energy Sparks or Climate Ambassadors. 3. Explore funding to support Eco projects: <a href="#">Bag2school</a> textile fundraiser with PTA support? Community funding e.g. Severn Trent (£2-10K), Npower (up to £100K), WME Social Value (£1K) and Heart of England Community Energy.	<b>Input:</b> Free  <b>Output:</b> NA	Moderate	<b>Start date:</b>  <b>Review date:</b>	Sust lead, PSHE/curric lead		First meeting of alliance sust leads happened 4/10/24 at Strat climate hub.
<b>Culture - staff</b> 1. Establish sustainability as a school priority, part of SIP/vision – include Eco Group news and Climate Action Plan on website plus family communications e.g. newsletters and social media to celebrate sustainability wins. 2. Continue to network with 3 Rivers Alliance sustainability leads to share best practice and ideas. Run a 3 Rivers COP next year with InterClimate Network support? 3. Cari to consider joining online UK Sustainable Schools Network (UKSSN) Ops Group to connect with other SBMs and share questions/best practice.	<b>Input:</b> Free  <b>Output:</b> NA	Moderate	<b>Start date:</b>  <b>Review date:</b>	SLT, SBM, SL		
<b>Curriculum - staff</b> 1. Map current curriculum connections to sustainability using <a href="#">Map the curriculum tool - The Education and Training Foundation</a> 2. Consider opportunities to add more sustainability content by using Teach the Future's <a href="#">Curriculum for a Changing Climate</a> subject specific guides based on NC. Share LGZ Webinars with school community as CPD. <a href="#">Embedding Sustainability into the curriculum</a> , <a href="#">Green Jobs and Skills</a> . 3. Encourage staff to participate in free online CPD <a href="#">Teaching for sustainable futures</a>   IOE - Faculty of Education and Society - UCL Modules for Geography, History, Mathematics and English and <a href="#">Courses Catalog</a>   One UN Climate Change Learning Partnership.	<b>Input:</b> FREE  <b>Output:</b> NA	Moderate	<b>Start date:</b>  <b>Review date:</b>	Sust lead Curric lead	<b>Quality of Education:</b> The school's curriculum intent and implementation takes into account the changing world we are preparing our students for and as such, it is embedded securely and consistently across the school.	
<b>Curriculum - students</b> 1. Include green skills within curriculum– <a href="#">Innovate for Climate Change Course</a>   <a href="#">Apps For Good</a> free 7 session online course. Students develop an app	<b>Input:</b> FREE  <b>Output:</b>	Moderate	<b>Start date:</b>  <b>Review date:</b>	Sust lead, PSHE/ curric lead		Sarah shared the Apps for good and Sustainable Futures resources with careers advisor

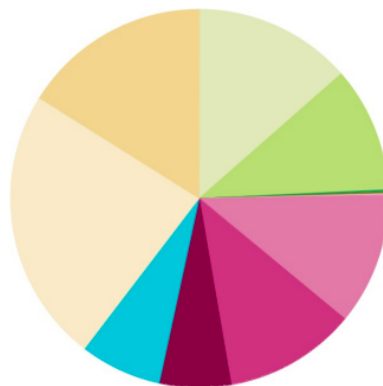
**Commented [SM1]:** Found this in a CAP that I had drafted previously. Charlie and Cari, wanted you to see if you want to keep/delete or edit?

for climate action/social justice and pitch it to industry stakeholders. 2. Investigate using free online career modules for secondary schools (use in tutor groups or PSHE time) <a href="#">Sustainable Futures - secondary programme</a>   <a href="#">WWF</a> 3. Consider free <a href="#">InterClimate Network Survey and report</a> to understand student opinion/ motivation re climate	N/A					Sascha in Nov 24. Sascha was excited to give them a try.
--	-----	--	--	--	--	--

## Your Carbon Footprint Report

Your schools total carbon footprint is estimated to be: 754.40 tonnes co<sub>2</sub>e\* per year

Operational area	Emissions area	t co <sub>2</sub> e*	% of footprint
Energy & Utilities	Fuel Usage	101.8	13%
	Electricity Usage	80.6	11%
	Waste Usage	0.6	0%
	Water Usage	1.2	<1%
Transport	Vehicles	0.6	<1%
	School Trips	85.2	11%
	Student Commutes	85.2	11%
	Staff Commutes	46.2	6%
Food & Drink	Meals	52.7	7%
Purchases	Spending	177	23%
	Uniforms	123.4	16%



## Let's Go Zero contact details:

Email: [sarah.mills@letsgozero.org](mailto:sarah.mills@letsgozero.org)

Website: [letsgozero.org](https://letsgozero.org)





[letsgozero.org](https://letsgozero.org)

Ashden is registered in England and Wales as a company limited by guarantee.

Registered number: 05062574/ Charity number: 1104153

The Peak, 3rd Floor 5 Wilton Road, London, SW1V 1AP