



Cranbourne Sustainability Plan



Introduction

Cranbourne started its journey into sustainability in 2022, when Green Cranbourne was established. This is a group of staff and students who are committed to making Cranbourne a greener place to be through education and action. As a school we felt we should do our bit to reduce our negative impact on the environment. As a result, we developed Green Cranbourne. Although key students within the school help to initiate and lead change, change can only happen if the whole school share a common aim and support this.

As a school one of our five vision strands is centered on sustainability, with our aim to be a beacon school to others around the country.

In 2022 we started by placing recycling bins for plastic bottles, paper, cardboard and Aluminium cans in every classroom and office. These are emptied every week by the students as each tutor group has a recycling monitor. We now recycle 4400 Litres a fortnight which is enough to fill fourteen and a half bathtubs. We now also recycle outside the classroom, have compost bins for the canteen and staffrooms and even recycle pens and batteries.

We realised that we were also wasting a lot of energy and therefore started an initiative for staff to turn off their electrical appliances (computers, interactive whiteboards and lights) when they were not using them. We did this as a house competition for staff and over a year this had a dramatic effect on our bill. Over one year we have saved £56000 on our gas and electricity bills (tariff was the same). Although the electrical appliances do not use gas we believe it is a combination of staff turning off heating when they do not need it, not having all the windows open for ventilation as we came out of the pandemic and that our winters are becoming milder.

We also started a Gardening club to teach students how to grow their own food and to nurture trees and plants on our school site. Our long-term aim is to grow enough food to be used in Food technology lessons and sold in the canteen. We cleared and repurposed an area of land for our Veggie patch and reused pallets and scaffolding boards to make raised beds.

We no longer send out paper communications for trips and school events and have saved at least 15000 pieces of paper from being printed on, cost of the ink and electricity and the time to print the communications.

In July 2024 we were nominated for the Green Community Champion Award at The Place to be Proud of Award Ceremony in Basingstoke. Against stiff competition we won the award and are very proud of the improvements Green Cranbourne has made in our community.



4 Pillars of Action Planning

We are working towards the Department for Education's ambitions to create a more sustainable setting for students and staff through the 4 pillars of action which are decarbonisation, adaptation and resilience, biodiversity, and climate education and green skills.

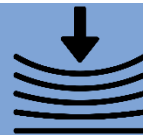
1. Decarbonisation



The first focus is on decarbonisation which encompasses the built environment, transport, and energy that Cranbourne manages. Decarbonisation is defined as the **“process of stopping or reducing carbon gases, especially carbon dioxide, being released into the atmosphere as the result of a process, for example the burning of fossil fuels (Cambridge, 2024).”**

Staff and students work together to decarbonise current and new built developments through the introduction of more efficient interventions such as LED lighting, air source heat pumps and insulation. Transport wise Cranbourne will need to focus on any vehicles the institution might own and transition them to electric or to other renewable fuels, however the setting will also need to focus on charging infrastructure and on the transportation methods that staff, and students use to get and leave from the education setting. Lastly the energy the setting uses must be from renewable sources which can be bought through energy companies or be produced through on site solar for example. Through decarbonisation education settings can reduce their greenhouse gas emissions to net zero and reduce their impact their setting has on Climate Change.

2. Adaptation & Resilience



The second pillar of action for education settings to focus on is adaptation & resilience which also encompasses everything, especially the land and built environment that education settings manage. Climate adaptation and resilience is defined as the **“wide range of measures to reduce vulnerability to climate change impacts (UNDP Climate Promise, 2024).”** Staff and students alongside Climate Ambassadors and other organisations can work together to create a more adaptable and resilient education setting to climate change through interventions such as more arable lands and walls to reduce flooding risk as this is high in England or for example create more green space and plant more trees to reduce the risk of heat islands developing which can cause heat stroke in staff and pupils, especially with rising global temperatures. Education settings can create healthier environments that will both protect that area and those who use it from the adverse impacts of climate change and protect the areas which educate the next generation. Through adaptation & resilience education settings can reduce the risk

of impact from climate change on their education setting, their staff, and their students as the crisis continues.

3. Biodiversity



The third pillar of action for education settings to focus on is biodiversity which encompasses the natural environment and resources in education settings. Biodiversity is defined as **“Biodiversity is all the different kinds of life you’ll find in one area—the variety of animals, plants, fungi, and even microorganisms like bacteria that make up our natural world. Each of these species and organisms work together in ecosystems, like an intricate web, to maintain balance and support life. Biodiversity supports everything in nature that we need to survive: food, clean water, medicine, and shelter (WWF, 2024).”**

Staff and students alongside Climate Ambassadors and other organisations can work together to nurture the natural side of the planet more in their own education settings and to protect the natural system that provides society with everything it needs to be stable from food, water, shelter and much more. Through biodiversity, education settings can support the recovery of the natural environment such as forests, grasslands, invertebrates, and small fauna within their localities and create more resilient environments.

4. Climate Education & Green Skills



The fourth and final pillar of action for education settings to focus on is climate education & green skills which encompasses the curriculum, staff and students, the education system hosts. Climate education & green skills can be defined as **“the knowledge, abilities, values and attitudes needed to live in, develop and support a society which reduces the impact of human activity on the environment (UK Parliament, 2024).”**

Staff and students alongside Climate Ambassadors and other organisations can work together to ensure sustainability is embedded in everything that students do within their education settings to ensure they have the skills and knowledge in society where all job sectors and areas of personal life will need to be done in a sustainable way. Through climate education & green skills, education settings create informed and active generations of society that will be able to continue exploring new solutions to climate change.

Cranbourne Climate Action Plan

This Action Plan has detailed below the actions Cranbourne needs to achieve by certain deadlines to decarbonise, become more resilient to climate change, promote biodiversity, and develop climate education and green skills for students.

Where Cranbourne may not know the answer to an action yet then they can put "to be identified through consultation."

Cranbourne's Climate Action Plan

1. Decarbonisation



For Cranbourne to decarbonise all the education setting's-built environment, travel and transport, and other sources of greenhouse gas emissions such as procurement.

Action Code	Action	Plan	Lead(s)	Resources	Timeline	Impact and outcomes	Reporting
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D1	Create a sustainable staff and student travel plan.	To audit how students and staff travel to school and the frequency of the method. To calculate the carbon footprint of transport of the school and share with the community. Make pledges to reduce Carbon footprint for students and staff.	AT	Microsoft form Sustainability pledges Incentive to encourage lift share.	Spring & Summer 2025	<p>806 student and 100 members of completed the how do you travel to Cranbourne survey.</p> <p>For the staff and students that travel by car/van the following amount of CO2 produced in a year was:</p> <ul style="list-style-type: none"> • Staff – 72.5 Tonnes of CO2 • Students – 82.1 Tonnes of CO2 • Total = 154.6 Tonnes of CO2 • 75 members of staff made sustainability pledges <p>of CO2 by staff As a pledge of staff</p>	Shared with staff, SLT and Governors To share with students in assembly and encourage them to reduce their Carbon footprint with a Sustainability pledge.
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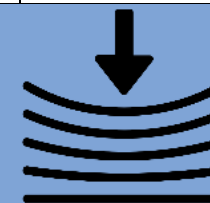
D2	Decarbonise all school buildings.	Green Cranbourne project. Staff turn their whiteboards and computers off at the end of the day and this has resulted in saving thousands of pounds. House competition for staff.	AT	Free breakfast for the winning house. Green Cranbourne students monitoring staff.	On going	Within the financial year 2023-2024 Cranbourne saved £56000 on Gas and Electricity. Amount of CO2 to be calculated in the summer term 2025.	To staff, students, Governors and County.
D3	Reduce red meat and dairy and consider seasonal and local produce by running a campaign such as 'Meat free Mondays.'	To work with the Mrs McGarry and Green Cranbourne students. Develop a meat free menu and promote sustainable options with free tasters and reduced cost for vegetarian options. Reduce ultra processed foods.	AT and MM	Ingredients and time to develop a menu and to share with students and staff.	ongoing	Green Cranbourne students produced 4 sustainable cakes which were tried by students and voted for by students and staff. From Summer 1 every Tuesday there will be a sustainable cake for students to purchase from the canteen.	To staff, students, Governors and County.
D4	Consider composting your food waste and using the	Composting of all non cooked food waste in the school. From the	AT and HB	Build compost bins from pallets from deliveries with	On going	Need to calculate how much is composted	To staff, students, Governors and County.

	compost in other ways, e.g. as fertiliser on wild spaces or growing patches.	canteen, staffrooms and Food tech lessons. Collect and dispose of cooked food waste in the canteen and food tech rooms.		Gardening club to provide a composting area for the canteen. Obtain free compost bins from the community.		from the school canteen and Food tech in volume a week.	
D5	Consider solar energy on your roof with Solar for School's paneliser tool.	Solar panels on the roof of the sports hall. To look into the possibility of other buildings having solar panels.	AT/KG	Solar panels installed 2022	ongoing	Need to find out how much electricity is generated from our solar panels in a year	Share with Governing body and County.
D6	Incentivise the use of public transport, lift sharing and walking by running a campaign.	To develop a plan to incentivise staff and students. Students and staff can earn house points.	AT and Green Cranbourne students.	Promote in assembly wc 23/3/25. Students to complete a form which logs every time they don't get a lift to school.	Spring 2 after Carbon footprint has been calculated.	Students to receive house points for making a sustainability pledge they are making April 2025. Need to revisit on a further survey on if they have reduced their lifts to school by walking/cycling. Need to incentivise staff during the	Share with students, staff, Governors and County.

						summer term 2025.	
D7	Encourage second-hand use with a uniform/clothes swap/book donation.	Cranbourne already encourages students in year 11 to donate their uniform but need to promote this for other students for when they outgrow their blazers etc. Donations will link to house points	JH, AT and Green Cranbourne students	Admin time to add on the house points. Places to store and process the uniform	Summer 1 & 2 2025	Need to use social media to promote campaign during the summer term 2025.	Share with students, staff, Governors and County.
D8	To reduce paper use and to communicate electronically wherever possible	All communications to go via Edulink, email and text. Develop a system with advice from Hampshire outdoors so that all trips do not require letters and forms. Trips to not involve large amounts of printing/photocopying of medical forms instead to use an ipad with details on and a summary sheet of paper of key info. Admissions booklets and options information is emailed. Certificates are still printed as important for students to share with their families but they are not posted,	AT and CP	Edulink software, Microsoft forms, parent pay and Admin support	June 2023 – ongoing	Within the first year 23000 pieces of paper have been saved. Electricity and admin time of trip leaders have been dramatically reduced.	Share with students, staff, Governors and County.

instead to be given to tutors.

2. Adaptation & Resilience



For Cranbourne to adapt the education setting from the impacts of climate change and create a more resilient setting to these impacts.

Action Code	Action	Plan	Lead(s)	Resources	Timeline	Impact and outcomes	Reporting
A1	Rainwater harvesting (e.g. water butts) to conserve water for use elsewhere on site.	Water butts to attached to any accessible drainpipes in appropriate locations to allow plants (including food that is grown for the school) around the school to receive not Chlorinated water.	AT/KG/H B	Water butts' donations or reused off action sites	ongoing	Water bills are reduced	Staff, students, community, Governors and County.
A2	Create more green space and plant more trees.	Plant trees that provide food for animals and us. Incorporate within remembering a former student.	AT/HB	120 trees from The Wildlife trust	December 2023	120 trees planted which include Hathorn and Hazelnut within the back fields hedgerow.	Staff, students, community, Governors and County.
A3	Promote benefits of water efficiency to staff students and	Investigate water usage at Cranbourne – could cistern bags be installed in the toilets.	AT/KG	Water tech bottle filler Remedial work for installation of the bottle	Summer 2025	Students are looking forward to having a drinking water supply of cold	Staff, students, community, Governors and County.

	parents and guardians.	Invest in a bottle filler in the canteen so that students and staff do not need to run the taps to get cold water.		filler and electrical work for a 13Amp socket.		water which was promoted in the Green Cranbourne assembly 23/3/25	
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3. Biodiversity



For Cranbourne to create a biodiverse and flourishing natural environment within the education setting focusing on local nature recovery.

Action Code	Action	Plan	Lead(s)	Resources	Timeline	Impact and outcomes	Reporting
B1	Grow your own – start a student allotment.	Use an area of waste land between D6 and E block to make an allotment and grow our own food. To teach students on how to grow their own food, to reduce food miles and cost of food used in the canteen.	AT and HB	Pallets, posts, postcrete, scaffolding boards (donated by local firm), students and staff to make a slope into two growing tiers. Seeds and tools donated by staff and the community.	Summer 2023 - onwards	First growing season 2023 grew peppers which were used in the canteens stirfry, the Tomato crop failed over the summer. Second growing season 2024 – Pumpkins, Runner beans, Cucumbers, Tomatoes, Broccoli and	Students, staff, community, Governors and County.

						Cabbage were grown which was used in various meals in the canteen.	
B2	Plant more trees around the education setting with learners.	To plant trees in the hedgerows to provide food for animals and for us for example, Hazlenut and Hawthorn. To also to Remember Jensen.	AT and HB	120 trees from The Wildlife trust	December 2023	Will order more trees from the Wildlife trust to plant in November 2025	Students, staff, community, Governors and County.
B3	Install bat boxes, swift boxes, bug hotels around the setting.	To made by either Green Cranbourne students or in Product design.	AT/GN	Material to be donated by local firms	Summer 2025		Students, staff, community, Governors and County. Wildlife groups
B4	Begin a reduced mowing regime.	Behind G block. To discuss with KG leaving a no mow area for wildlife to thrive. The area is not used within the school.	AT and KG	To fence or mark out the area so that contractors do not cut the grass.	Summer 2025		Students, staff, community, Governors and County.

4. Climate Education & Green Skills



For Cranbourne to embed sustainability and climate education in the education setting to ensure all staff and students have the knowledge and skills to continue embedding sustainability in everything they do now and in the future.

Action Code	Action	Plan	Lead(s)	Resources	Timeline	Impact and outcomes	Reporting
C1	Create a Green Team.	To create group of students who wish to lead on making Cranbourne more sustainable and reduce its Carbon footprint. To promote and carry out specific projects and share with Governors	AT	Various	On going	Green Cranbourne has been instrumental in almost all sustainability projects since 2022.	Reporting to students, staff, Governors, community and County
C2	Host sessions for your learners where they can learn how to take sustainable action in their daily lives, with relevance to your local area/community.	Tomato Energy to deliver sessions on sustainability and renewable energy resources sessions to students	AT and Tomato Energy Community engagement officer- Zoe McClaren	Tomato energy to provide the resources	Summer 2025		Reporting to students, staff, Governors, community and County
C3	Green Cranbourne Updates	Share to students, staff, Community and Governors of activities Green Cranbourne and the student and staff body have been up to. To share with Governors every FGB. To share with Kate	AT		On going		Reporting to students, staff, Governors, community and County

		Broadribb our Hampshire LLP					
C4	More Sustainable Cups	Green Cranbourne to research and plan for sustainable travel cups for staff to use around site. This will reduce washing up/water/energy use as each member of staff will have their own cup made from recycled material. It will promote Green Cranbourne and Tomato Energy working in partnership.	AT, Green Cranbourne and Tomato Energy (Zoe McClaren/ JC to obtain quotes.	Cranbourne and Tomato energy to go 50/50 on the cost.	Spring/Summer 2025		Reporting to students, staff, Governors, community and County
C5	Horticulture	To teach students how to grow their own food, through a Level 1 Horticulture qualification, gardening club and from sessions delivered. by HB to SEND students	AT and HB	Develop, plan and assess Level 1 Horticulture qualification from OCN	Horticulture qualification started September 2024	Have planned the Horticulture qualification and running through the modules for the first time. Need to identify the next cohort of students for September 2025.	Reporting to students, staff, Governors, community and County
C6	To share our journey within Basingstoke and beyond.	To plan and present what we have done with our school community and within Hampshire. To support a feeder school competition on	AT and Green Cranbourne	Time to plan to present. Transport to events.	September 2022 onwards	Winning the Green Community Champion Award from Tomato Energy June 2024.	Reporting to students, staff, Governors, community and County

		recycling bottle tops into Coasters.				Sharing our Journey with Hampshire Governors October 2025. Coaster produced and given to Feeder schools that took part in the Feeder school competition.	
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This allows for Cranbourne to set out their own ambitions with students and staff in a realistic and impactful way to ensure they achieve the main goals of the 4 pillars.

Action Plan Governance

The sustainability plan will be monitored and updated by Cranbourne's lead on Sustainability. Green Cranbourne students will help to evaluate the effectiveness of the plan and ultimately its impact and outcomes to the school community and beyond.

Conclusion

In conclusion to Cranbourne's Sustainability plan Green Cranbourne, students and staff have worked hard to make some of the above actions reality in a short amount of time. As a school we aim to be a Beacon school for sustainability in Basingstoke and beyond. These efforts were recognised by Tomato Energy and our Local Authority with us being invited to present to Hampshire Governors. Since then, we have been invited to share our journey and offer advice with one of feeder schools and to speak at the Senior leader's conference on Sustainability in June 2025. We believe that we have only just scratched the surface on what a school can do to be more sustainable and educate its community.



The aim is for Cranbourne to be a sustainable school and beacon in Basingstoke and beyond!

