Europa Climate Action Plan V1

15.12.2023

Background

DFE requirements

Sustainability and climate change: a strategy for the education and children's services systems – April 2022 (policy)

Sustainability leadership and climate action plans in education – May 2023 (guidance)

By 2025, all education settings will have nominated **a sustainability lead.** Sustainability leadership could be a group of people or an individual responsible for the development and implementation of **a climate action plan.**

From December 2023 we will begin to roll out a free programme of support including:

- a digital hub of resources, best practice, and tools which will help you develop, or build on, your climate action plan
- access to a network of regional coordinators who will provide local expert support and peer to peer learning opportunities

… practice shows that change is delivered when driven by **a diverse team of passionate individuals.** It is important that **both educational (for example, teaching staff) and operational** (for example, estates management) expertise is brought to this team.

The **presence of senior leaders** from your organisation is critical for planning and implementation to be successful.

→ **A whole setting approach** including learners, SLT, governors and estates management

What is a climate action plan?

A climate action plan should typically cover the following 4 areas, to align with DfE's sustainability and climate change strategy:

- decarbonisation, for example calculating and taking actions to reduce carbon emissions, such as becoming more energy efficient

- adaptation and resilience, such as taking actions to reduce the risk of flooding and overheating

- biodiversity, for example engaging with the National Education Nature Park and enrolling in the Climate Action Award

- climate education and green careers, such as ensuring the education you provide gives knowledge-rich and comprehensive teaching about climate change, and that your teaching staff and lecturers feel supported to offer this

Climate Action Plan

Europa's Sustainability Team

PRIMARY

- Stéphanie Harries
- Marie Gaillard
- Belinda Durkin

SECONDARY

- Sandrine Philippot-Gasc
- Bénédicte Dubois

- Governor with Sustainability link: Manolis Mavrikis

Climate Action Plan - Our vision

Europa School UK is actively engaged in sustainability, making curriculum links whenever possible. By running enrichment projects and clubs helping children, parents and teaching staff become agents of change towards a more eco-friendly school and world.

Since 2023, Europa is officially accredited 'Eco School' and is working to continue being so each year.

Our medium to long term vision is to embed sustainability not only within our educational activities but also within our site. We aspire to transform our site into a sustainable one and to involve children in our projects as much as possible in doing so. This will teach them ways to be imaginative and solution-driven, which will be critical skills in the future.

Climate Action Plan Overview – 2023 -2024

PRIMARY

Community

1st PTA/Parents eco taskforce meeting (Nov)

Ongoing efforts from parents to support the school with reusing and recycling

Best practice sharing event TBC

Summer fête: Earth Day exhibition

Pupils

Eco Drama Club

Goldsmith festival performance

Eco Club

Eco School Green Flag application

Curriculum links + UCL projects

KS2 assembly on climate change

Air Quality Monitor research – 4FE

Science Week

Earth Day celebration

Royal Society grant
Design and technology (5FE)

UCL Nature project – Class TBC

Site

See separate slide

Sept Oct Nov Dec Jan Feb Mar Apr May June July

SECONDARY

Europa Secondary Syllabus

S1 : Unit 4 : Climate - The interpretation and understanding of climate change (global warming) is essential for the advancement of science and human life (navigation, agriculture, etc.).

S2 : Day trip Combe Mill : Pond Ecology and management

S3 : Unit 4 : Environmental problems : Green house, atmosphere pollution, plastic in the oceans…

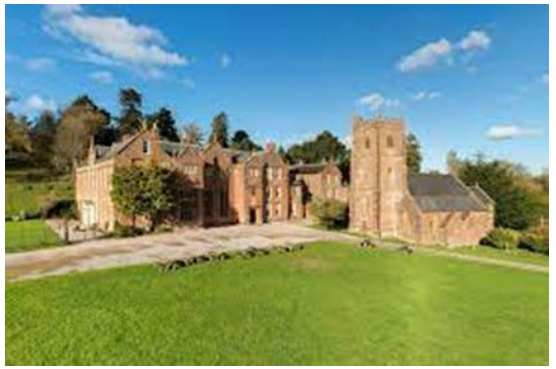
S4 : Unit 3 : Why are natural environments important to individuals and societies? Link between economy and environment, …

S5 : Unit 4 : Climate changes , politic side, vulnerability and resilience COP, UN goals…

S6-S7 : Specialty : Geography, Biology or Environmental and Societies Science : full courses about Ecology and environmental sustainability.

Annual trips

SECONDARY



S5 : Ecology trip Cranedale

-Sustainable Woodland Ecosystems Study (random sampling, microclimate, timber production, invertebrates, fauna Take CO_2 meter…).

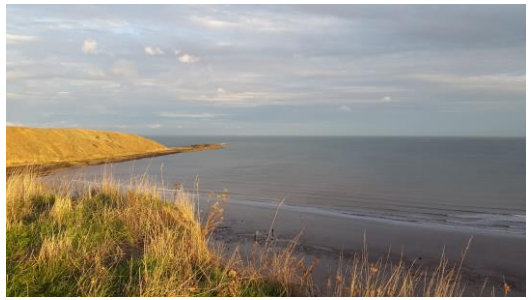
-Woodland Population Study using Longworth Traps, Robinson Mercury lamp, Pitfall trap, Infra-red Camera…).

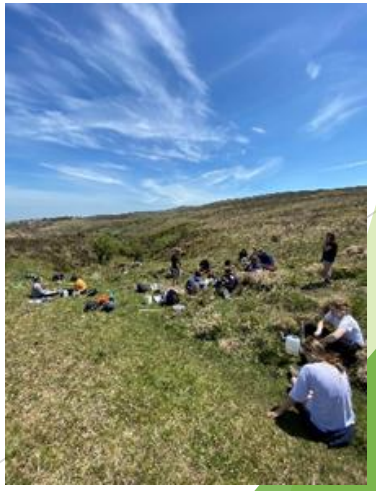
-Sea birds at Bempton Cliffs (conservation, climate change, RSPB); Rocky Shore Study (adaptations, trophic levels, pyramids of biomass). Data for Pyramid of Biomass. Student feedback activity.

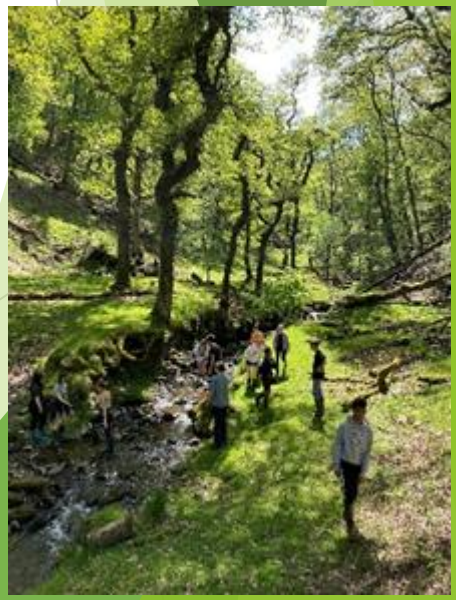
-Microscopy (Olive mayfly nymph anatomy and adaptations.

-Freshwater Pollution (Abiotic and biotic variables, kick sampling, adaptations, pollution, nitrogen cycle).

S6 : Nettlecombe Fields trip : Geography, Biology, Environmental Science







Secondary Clubs

GO ECOLO

- Rewild areas in school
- Find a solution to recycle garbage in suitable bins
- Canteen : Less plastic in the canteen, Fee Meat lunch
- Protect the owls, meet specialists of nature,
- Promote : create films about the planet with the Goldsmith University
- Recreate Ponds and little gardens

Model United Nations

Participate to the Conference of parties (COP) committees in Brussels, Toulouse and Milan

Interact

Plant trees in Senegal and Chili

Current grants applications

- Royal Society → up to 3000 pounds (submitted 24.11.23)

Tomorrow's climate scientists grant scheme

Europa's research question: Can technology reduce the amount of litter in a school?

STEM partner: UCL

Currently, our school has too much litter laying around its grounds and we have litter pickers who regularly clean up. However, it is not enough. We would like to empower pupils to find solutions to this real-life problem by helping them understand why students litter and by designing a coding-based intervention to improve the litter situation. The project will include 2 main phases. First, the children will use the micro:bit technology to develop inquiry into how we measure and understand litter behaviour. In a second phase, they will develop waste interventions with the micro:bit and inquire into how they worked. This exciting project, which will combine sustainability, computing technology and data analysis, will fit very nicely with the Year 5 curriculum topic of environmental awareness. Finally, thanks to this project, children will learn how technology can empower them to take action upon the current environmental issues they are facing.

- SuDs in School grant → up to 2400 pounds for 2 large sustainable planters (submitted 13.11.23)

Site initiatives – 2023 - 2024

Decarbonization:

- Waste management optimisation → Wastetech Ltd – free audit (TBC)
- ACES waiting list for a free energy assessment (2024)

Adaptation and resilience:

- Development of a sustainable /energy-sufficient new modular building

The development project would be a great opportunity to embed sustainability with renewable energy supplies such as solar panels, sustainable drainage systems (e.g. SuDs planters) to prevent flooding and rain water harvesting with large butts. We could also include an area for composting and living walls or green roofs for biodiversity and cooling down during hot summer days. This development project could even aim to be self-sustainable in energy and water. The site would be a real-life example of what sustainability means, and as such would be part of our education/curriculum.

- Grant application for SuDs submitted in November 2023 (Tower block + primary library drainage planters)

Biodiversity:

Eco Club & Go Ecolo projects

Nature park activities

Climate education and green careers: See previous slides