

This document has been prepared for those people and community groups associated with the Low Carbon Warwickshire Network who would like to engage with and support their local school (s) on the themes of climate change, biodiversity loss, carbon saving, energy efficiency, air quality & pollution and protecting nature.

Below gives ideas and links to resources that schools may find useful:

- Conversation and assembly topics
- [Links to various educational resources](#)
- [Links to ideas for practical projects](#)
- [Links to information on potential building solutions](#)

The categories column refers to:

1. Governance and Heads
2. Heads and Teachers
3. Teachers and children
4. Parents and community

Conversation / Assembly Topics - Questions to get a child's attention:

- What is climate change?
- Why is it important to know about climate change? / What do you think everyone needs to know about climate change?
- What is the greenhouse effect?
- Do you know where greenhouse gas emissions come from?
- How do greenhouse gas emissions contribute to climate change? / How do we know the climate is changing?
- Why is carbon dioxide important?
- How do you know this?
- How can we reduce our emissions?
- Have you heard about how climate change is affecting people in other countries?
- How do you think they feel?
- How do you think we can solve this problem?
 - How could politicians help?
 - What could you do in school?
 - What could you do at home?
 - What would you like your parents to do about climate change?
- Why is nature in danger?
- Where does our energy come from?
- What causes air pollution?
- What are the effects of air pollution?
- What can we do to clean our air?

Working with schools can contribute to the delivery of the following UN Sustainable Development Goals:



The UN SDG's are a collection of 17 interlinked global goals designed to be a "shared blueprint for peace and prosperity for people and the planet, now and into the future".

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This is a list of organisations and resources that are available to help schools act on climate and environmental issues

Name of Organisation	What they do / notes	Category	How to contact them
	Educational Resources		
Green Schools Project	The Green Schools Project enables pupils to explore the causes and effects of the climate crisis, investigate their schools' carbon footprint, and supports them to design projects to reduce carbon emissions and inspire the wider community to take climate action. It also includes two teacher training sessions that show how staff can support the school's carbon cutting measures and help them to include climate and nature in their lessons. The final element is guidance to run a community event, helping the school to support the local community to live more sustainably. Schools need to complete this form to register an interest in the programme for next academic year.		Henry Greenwood Founder and Managing Director Green Schools Project zero carbon schools - Green Schools Project
Young People's Trust for the Environment	The fact that human activities are increasing the rate of climate change is now almost universally accepted by scientists. In this suite of lessons, targeting young people in Key Stages 2 and 3, students will learn:- What is climate change? What impacts is climate change having around the world? How are humans causing climate change? What can we all do to stop climate change? As well as extensive notes and suggestions for classroom activities, this lesson plan suite also includes detailed instructions for a simple, but highly effective and engaging experiment that can be carried out using simple equipment in the classroom to show how increasing levels of carbon dioxide in the atmosphere are contributing to rising global		Climate change Lesson Plans for Teachers Young People's Trust For the Environment (ypte.org.uk)

LCWN Schools

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	temperatures. Also included is a spreadsheet that students can populate with their own data from the experiment and visualise on a graph.		
Eco schools	Environmental issues such as climate change, biodiversity-loss or plastic pollution are huge global issues and the thought of tackling them can be intimidating, leaving many feeling overwhelmed and wondering 'Where do I begin?' The Eco-Schools programme provides a simple, seven-step framework that answers this question whilst empowering young people to make a difference in their school, local community and beyond. Since 1994, millions of young people around the world have worked through the Eco-Schools Seven Steps before being recognised for their efforts with a prestigious Eco-Schools Green Flag.		Home - Eco Schools (eco-schools.org.uk)
Friends of the Earth	Schools and colleges play an important role in empowering students to take their next steps into the world. They can also help shape climate-positive behaviour among staff and students. Find out how to encourage climate-positive behaviour and meaningful action with these 50 easy measures for schools and colleges. Our free guide includes tips to reduce the impact of transport, food, nature, energy and waste - and ideas for cost savings while delivering on the curriculum.		Climate Action Plan for schools and colleges Friends of the Earth Schools CAP Final Oct2021.pdf (friendsoftheearth.uk)
OCR (Oxford Cambridge and RSA)	Teachers will be able to start teaching the Natural History GCSE in September 2025. The GCSE in Natural History has been approved by the Department for Education (DfE). The new qualification will enable students to develop a rich understanding of the natural world: from their own local wildlife, environment and ecosystem to critical global challenges like climate change, biodiversity and sustainability.		GCSE Natural History Hub (ocr.org.uk) GCSE Natural History Consultation - Timeline (ocr.org.uk) Ruth Carter OCR Stakeholder Relationships Manager ruthrcarter@gmail.com

LCWN Schools



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BBC	This climate change assembly has an environmental theme. In the video a primary school pupil explains what she has learnt about climate change and how she feels about it. She is joined by other pupils who consider a range of questions, including 'Do grown-ups care enough about protecting the planet' and 'What can you do to help stop climate change'. The presenter then describes some of the consequences of climate change around the world...but also some of the things we can all do to fight against it.		Climate change - BBC Teach
NASA Climate Kids	Launched in 2010, NASA's Climate Kids website tells the story of our changing planet through the eyes of the NASA missions studying Earth. Targeting upper-elementary-aged children, the site is full of games, activities and articles that make climate science accessible and engaging.		What else do we need to find out? NASA Climate Kids What Is Climate Change? NASA Climate Kids
World Wildlife Fund	Our work with schools is part of our mission to build a brighter future for both people and nature. The Earth's global temperature is warming, meaning that weather patterns and ecosystems are changing more quickly than animal species and human communities can adapt to. Our new introductory climate change resources have been designed to introduce the topic of climate change to students aged 7 -11. Secondary school students, and primary school students with an existing knowledge of climate change, can further explore the affects climate change is having on our world through our series of engaging curriculum linked programmes and activities. Tell us how your school is helping to tackle climate change to claim your Climate Hero certificate. TEACHER GUIDE: INTRODUCTION TO CLIMATE CHANGE		Climate change resources for schools WWF WWF - Back To School - YouTube

LCWN Schools



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	Our exciting new teacher guide provides two simple activity ideas based on the topic of climate change. You can use these activities in a dedicated climate change module or as part of related topics. PRESENTATION: INTRODUCTION TO CLIMATE CHANGE Our new classroom presentation introduces this topic to students, highlighting why it matters, and what we can all do to help tackle climate change.		
Unicef	Climate change is happening and nearly every child in the world will be affected. Talking about climate change with our own children can feel hard for many parents. It's natural to want to protect kids from harm and worry. But if your child is a certain age, chances are they are already hearing about climate change, whether at school, online or from their friends. Unsurprisingly, children can feel many emotions about climate change, such as being anxious, frightened, sad and angry, which are very natural reactions to something as uncertain and devastating as climate change. While you can't solve climate change for your child, you can help them discover the facts, know that they are not alone and find ways to take action.		Talking to your child about climate change UNICEF Parenting
Climate Outreach	Climate Outreach exists because climate change doesn't communicate itself, even with the increasing number of climate impacts. We help people understand this complex issue in ways that resonate with their sense of identity, values and worldview. Informed consent and support from people across society and around the world creates what we call a social mandate for climate action. The Climate Visuals website and image library is a unique and trusted source of evidence and images for over 350 climate change and environmental groups, journalists, educators and businesses.		Climate Visuals, a project of Climate Outreach

LCWN Schools

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Voices of Youth - Tools for young climate activists	What is the cause of climate change? Why is the Paris Agreement important? How can youth influence climate negotiations? Adapted from the Young Climate Activists in Latin American and the Caribbean toolkits, developed by young activists, young designers and UNICEF experts, this Climate Action for Youth series will provide you with the knowledge, tools, and resources to participate in global youth climate action and advocate for change.		Tools for young climate activists Voices of Youth
UK Government	Policy paper Sustainability and climate change: a strategy for the education and children's services systems The challenge of climate change is formidable. For children and young people to meet it with determination, and not with despair, we must offer them not just truth, but also hope. Learners need to know the truth about climate change – through knowledge-rich education. They must also be given the hope that they can be agents of change, through hands-on activity and, as they progress, through guidance and programmes allowing them to pursue a green career pathway in their chosen field.		Sustainability and climate change: a strategy for the education and children's services systems - GOV.UK (www.gov.uk)
National Association for Environmental Education (NAEE)	The UK National Association for Environmental Education (NAEE) started life in 1960 as the National Rural Studies Association. The Association's purpose is to promote all forms of environmental education, and to support all those involved in its delivery, so that together we can understand and act on the need to live more sustainably in order to protect the future of our planet. We believe that young people have a right to first-hand educational experiences in their local environment, because these are critical in helping people understand the importance of the biosphere to all life on		About NAEE - UK National Association for Environmental Education

LCWN Schools

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	the planet, as well as being a source of wellbeing and fulfilment, and a motivation towards sustainable living. The Association is committed to campaigning for a strong focus on environmental and sustainability issues across the school curriculum and happy to support the work of Students Organising for Sustainability and Teach the Future.		
Students Organising for Sustainability UK	SOS-UK is a student-led education charity focusing on sustainability. We know environmental sustainability cannot be achieved in isolation, so our work spans across issues of justice and wellbeing as well.		Students Organising for Sustainability UK SOS-UK
Teach the Future	Teach the Future is an inclusive, well organised and persistent campaign by secondary and tertiary education students to greatly improve education on the climate emergency and ecological crisis in the UK. Students need to be taught about the climate emergency and ecological crisis: how they are caused, what we can do to mitigate them and what our future lives and jobs are going to look like due to them. Sustainability and these crises need to become key content in all subject areas. Educators need to be trained in how to teach about these difficult topics in a way that empowers students, and they need funding and resources to do this.		Teach the Future: Campaign for climate education What we want: Climate education (teachthefuture.uk)
Twinkl	Twinkl is a huge library of educational materials. A Twinkl account unlocks a curriculum-wide library of over 900,000 resources - all available 24/7 and bursting with essential planning, teaching and assessment materials. Each resource is teacher made, many can be personalised and you'll find time-saving resources for every topic, age and ability. Twinkl materials can be used online or offline for a fee. Plans start from £5.29 a month.		10,000 Top "Climate Change" Teaching Resources curated for you (twinkl.co.uk) Twinkl Green Planet WWF Animals & Climate Change Resources

LCWN Schools

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	Screen shot of some Twinkl resources 		
National Trust	The National Trust have got acres of space for children to let off steam. Their 50 Things to do before you're 11 ¾ will get children closer to nature.		National Trust - 50 things to do before you are 11 and 3/4 - Mini Travellers - Family Travel & Family Holiday Tips
Earth Warriors	Ready-to-use lesson plans & online teacher training Earth Warriors are the world's 1st organisation to have developed a comprehensive climate change & sustainability curriculum for children		Earth Warriors: The World's First Climate change curriculum for children (earthwarriorsglobal.com)

LCWN Schools

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	between the ages of 3-11. Through their subscription they provide ready to use lesson plans, teacher training & access to their global community of teachers and students.		
The Harmony Project	The Harmony Project aims to transform education to ensure it is fit for purpose in preparing young people to engage with the environmental and social challenges we face, not just to pass exams. They work with educators to develop learning that is based upon a deep understanding of, and connection to, the natural world – learning that will equip students with the skills they need to live more sustainably.		Putting sustainability and Nature at the heart of learning - A New Way of Teaching and Learning (theharmonyproject.org.uk)
Practical Projects			
Rotary Technology Tournament	Rotary Technology Tournaments are a challenging and enjoyable way for young people to enrich their STEM learning (Science, Technology, Engineering and Maths). The teams of pupils, typically in groups of four, have to solve an interactive technology-based task and are required to design, develop and build a solution with the materials supplied. Tournaments culminate in the testing session when teams demonstrate their best solution to the task and can observe the efforts of competing teams. Technology Tournaments are designed for secondary school pupils aged 11-16, with an advanced age level for 16 to 18-year olds. There are also Junior Technology Tournaments which Rotary delivers in partnership with the Rochester Bridge Trust, with simpler tasks designed specifically for 8 to 11-year-olds in primary and junior schools. All costs are paid by the organising Rotary clubs and there is no entry cost to school teams		Technology Tournament – Our Projects – Rotary in Great Britain and Ireland (rotarygbi.org) Youth Competitions - Join - Rotary in Great Britain and Ireland (rotarygbi.org)
Rotary Young Citizen	Rotary Young Citizen Environmentalist Award reflects Rotary's focus on the environment, to recognise young people, aged under 25, an		2022-23-Rotary-Young-Citizen-Award-Guidance-Notes.pdf (rotarygbi.org)

LCWN Schools

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Environmental Award	individual or group, who are passionate about protecting the environment. This could be through starting or being involved in a project or campaign (e.g. conservation work, litter-picking, campaigning against single-use plastics) or by setting up an environmental charity or community interest company (CIC). 2022-23 Theme: Bio-diversity The project could be approached from different angles and perspectives. Possible projects might include one or more topics such as the following, but participants are encouraged to also explore any new or novel ideas within the theme of Bio-diversity: • Explore conflicts between the needs of agriculture and Bio-diversity. • Explore how planting can reduce pollution. • Explore how climate change over the last century has affected how crops grow • Enhance the local environment by planting a wildflower meadow. • Explore the impact of Bio-diversity changes in the oceans • Investigate how Bio-diversity is changing habitats and the positive and negative aspects that it has on species. • Enhance Biodiversity by planting suitable species in school grounds, or one's own garden. This might involve ensuring good maintenance of the plants and estimates of how many survive after a given time.		

LCWN Schools

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	- Survey the diversity of plants, animals, or bird's species in an area such as one's own back garden, a public space – such as a road verge, footpath etc., school grounds etc. - Adopt and maintain a public space such as a roundabout, footpath etc.		
C4FF Centre for Factories of the Future (c4ff.co.uk)	Air quality monitoring kits for secondary students to assemble then pass on to primary students to gather data		Professor Reza Ziarati Business Intelligence Division: Berkeley House 6 The Square Kenilworth Warwickshire CV8 1EB United Kingdom Telephone: +44 (0) 1926 802000
The Woodland Trust – Nature's Calendar	Help the Woodland Trust track the effects of weather and climate change on wildlife near you. What effect has recent weather had on wildlife? Does climate change affect timings in nature? Join Nature's Calendar and help scientists discover answers to these questions. From leaf buds bursting to blackberries ripening, let them know what's happening near you. You'll be contributing to a long biological record that dates back as far as 1736.		Nature's Calendar (woodlandtrust.org.uk)
Naturehood	Naturehood empower you to take positive action and connect with your community – we can make the biggest difference to wildlife when we work together.		Naturehood is a community project working to reverse wildlife decline.
BCC Wild Isles	Save Our Wild Isles is an urgent call to action for all of us. In their first major campaign together, WWF, the RSPB and the National Trust are calling for an immediate end to the destruction of UK nature and urgent action for its recovery. Everyone must get involved to reverse the harm we've seen done to nature over the last two centuries.		BBC One - Wild Isles Together we can Save our Wild Isles Save Our Wild Isles

LCWN Schools

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	Building Solutions		
Solar for Schools CBS	Arrange low cost, zero carbon electricity to schools (with signed licence to operate agreements) with educational resources. Solar for Schools Unsecured 5 Year Bonds Ethex		Ann Flaherty ann@solarforschools.co.uk 07946 245 556 Falcon House, 3 King Street, Castle Hedingham, Halstead, Essex, CO9 3ER www.solarforschools.co.uk Solar for Schools - Education funded by the sun

LCWN Schools

Contents

Educational Resources

BBC
Climate Outreach
Earth Warriors
Eco schools
Friends of the Earth
Green Schools Project
NASA Climate Kids
National Association for Environmental Education (NAEE)
National Trust 50 things to do before you are 11 and 3/4
OCR (Oxford Cambridge and RSA)
Students Organising for Sustainability UK
Teach the Future
The Harmony Project
Twinkl
UK Government
Unicef
Voices of Youth - Tools for young climate activists
World Wildlife Fund
Young People's Trust for the Environment

Practical Projects

BBC Wild Isles
C4FF
Centre for Factories of the Future (c4ff.co.uk)
Naturehood
Rotary Technology Tournament
Rotary Young Citizen Environmentalist Award
Woodland Trust

LCWN Schools

Building Solutions

Solar for Schools CBS

All Organisations

BBC

BBC Wild Isles

C4FF

Centre for Factories of the Future (c4ff.co.uk)

Climate Outreach

Earth Warriors

Eco schools

Friends of the Earth

Green Schools Project

NASA Climate Kids

National Trust

National Association for Environmental Education (NAEE)

Naturehood

OCR (Oxford Cambridge and RSA)

Rotary Technology Tournament

Rotary Young Citizen Environmentalist Award

Solar for Schools CBS

Students Organising for Sustainability UK

Teach the Future

The Harmony Project

Twinkl

UK Government

Unicef

Voices of Youth - Tools for young climate activists

Woodland Trust

World Wildlife Fund

Young People's Trust for the Environment