



Sustainability Themes by Subject



By Subject or Department



Science

- Climate change (greenhouse gases, feedback loops)
- Biodiversity loss and conservation strategies
- Renewable vs. non-renewable energy – including use of nuclear fuels
- Sustainable agriculture and food chains
- Human impact on ecosystems
- Waste management (plastic degradation, recycling chemistry)
- Environmental health (pollution, toxins, public health links) - including use of nuclear radiation for diagnostics and treatment

Email:

Aled Elmore - aelmore@reading-school.co.uk

Francis Howson - fhowson@reading-school.co.uk

Dan Wheal - dwheal@reading-school.co.uk



Mathematics

- Analysing climate data sets and statistics
- Carbon footprint calculations
- Optimisation problems (e.g., minimising waste, transport efficiency)
- Modelling population growth and resource consumption
- Probability of extreme weather events
- Financial literacy linked to sustainable economics
- Graphing renewable vs fossil fuel use over time

Email:

Sarah Parker - sparker@reading-school.co.uk



Computing / ICT

- Energy efficiency in data centres and cloud computing
- Sustainable hardware design (e-waste, recycling electronics)
- Coding simulations for environmental modelling
- Smart technologies for sustainability (IoT, smart homes, precision farming)
- Ethical considerations of AI in climate monitoring
- Digital sustainability (reducing digital carbon footprint, green hosting)
- Gamification for environmental awareness

Email:

Zac McAllister - zmcallister@reading-school.co.uk



Design & Technology

- Life cycle analysis of products
- Circular economy design (repair, reuse, recycle)
- Biomimicry (design inspired by nature)
- Sustainable textiles and fashion
- Renewable energy in product design
- Food technology: sustainable diets, reducing food waste
- Packaging design with biodegradable materials

Email:

Susanna Bradley - sbradley@reading-school.co.uk



Geography

- Urban sustainability (green cities, transport planning)
- Globalisation and resource inequalities
- Water scarcity and sustainable management
- Natural hazards intensified by climate change
- Sustainable tourism
- Environmental migration and climate refugees
- Case studies of sustainable development projects worldwide

Email:

Kate Young - kyoung@reading-school.co.uk



History

- Environmental impacts of the Industrial Revolution
- History of energy transitions (wood, coal, oil and renewables)
- Colonialism and resource exploitation
- Indigenous knowledge and sustainable practices
- Historical famines, droughts, and human adaptation
- Social movements: conservation, green politics, environmental justice
- War, environment, and resource conflicts

Email:

David Whitehorn - dwhitehorn@reading-school.co.uk



Classics and Ancient History, Latin

- Gods and goddesses associated with nature and sustainability (Ceres, Demeter)

Email:

Mark Cooper - mcooper@reading-school.co.uk



English / Drama

- Eco-literature and humans wrestling with the environment in non-fiction texts
- Nature creation myths
- Persuasive writing: speeches, letters, campaigns on the topic of 'sustainability'
- Analysing rhetoric in environmental speeches
- Literature study of dystopian texts and associated settings
- Analysing media texts on climate topics
- Spoken language presentations on personal or local sustainability projects
- Eco-theatre, role-play on environmental issues
- Examined devised piece eco-themed stimuli
- Nature / eco themes in A Level text

Email:

Robert Baldock - rbaldock@reading-school.co.uk



Art

- Using recycled/upcycled materials in artwork
- Environmental installation art (raising awareness of pollution, climate)
- Themes of nature, fragility, and resilience
- Eco-fashion projects
- Land art (using natural, non-destructive materials)
- Visual storytelling for sustainability campaigns
- Collaboration with local green artists or exhibitions
- Sustainability and environmental impact of materials used in art making, impact on environment of wastes created from making and using art materials

Email:

Aileen Creegan - acreegan@reading-school.co.uk



Music

- Environmental soundscapes (forest, ocean, urban noise pollution)
- Protest and environmental songs (history of eco-music movements)
- Making instruments from recycled materials
- Exploring music festivals' environmental impact (waste, energy)
- Composing pieces inspired by natural rhythms and cycles
- Music therapy linked to nature and wellbeing
- Cultural music traditions and their relationship with land/environment

Email:

Oliver Griffin - ogriffin@reading-school.co.uk



PE / Sport

- Outdoor learning and nature-based activities
- Sustainable sports equipment and kit (materials, supply chains)
- Eco-impact of large sporting events (Olympics, World Cup)
- Promoting walking, cycling, active transport
- Forest schools / adventure education
- Mindfulness in natural environments
- Nutrition and sustainable diets for athletes

Email:

Steve Allen - sallen@reading-school.co.uk



Modern Foreign Languages (MFL)

- Vocabulary for environmental issues in the target language
- Researching how different countries approach sustainability
- Global agreements (Paris Agreement, SDGs) in target language study
- Pen-pal or exchange projects on sustainability topics
- Analysing news articles in foreign languages about climate issues
- Comparing cultural traditions around food, farming, and land use
- Debates/discussions in target language on environmental ethics

Email:

Elise Fondu - efondu@reading-school.co.uk



Business / Economics

- Circular economy models in business
- Corporate social responsibility (CSR) and greenwashing
- Ethical supply chains and fair trade
- Social enterprises tackling sustainability challenges
- Cost-benefit analysis of renewable energy investments
- Economics of climate change (carbon pricing, green jobs)
- Entrepreneurship for sustainable innovation

Email:

Rupa Chakrabarti - rchakrabarti@reading-school.co.uk



PSHE / Citizenship

- Personal carbon footprint and lifestyle choices
- Sustainable consumerism (fast fashion, electronics, diet)
- Environmental justice and equality
- Student activism and campaigning
- Links between mental health and green spaces
- Local community sustainability initiatives
- Rights and responsibilities around environmental stewardship

Email:

Louise Dimmick - ldimmick@reading-school.co.uk



Engineering

- Renewable energy systems (wind, solar, hydro, tidal)
- Green building design (passive heating, insulation, low-carbon materials)
- Transport innovations (EVs, hydrogen fuel, public transport systems)
- Energy efficiency in machinery and robotics
- Life-cycle analysis in engineering projects
- Sustainable water and sanitation technologies

Email:

Liam Henry - lhenry@reading-school.co.uk