



# THE NET ZERO WORLD

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If you want to be part of designing a cleaner future, these ten short modules will equip you with the essential underpinning knowledge to support you in the Net Zero World.

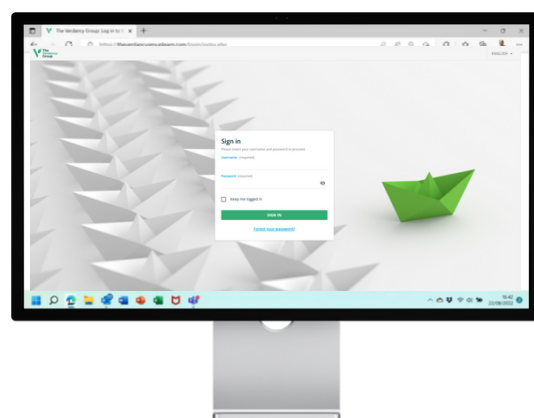
This collection can be used as a blended or full eLearning programme to empower learners of all ages. We have taken a 'Problem to solution' approach to this collection. This means that it is packed with resources and extra learning. We aim to deliver eLearning that can empower your learners to make better, more informed choices that benefit the earth and future generations.

## Accessing the Programme

After registration, participants will receive an email with a link to the learning platform hosting the programme.

## Log in Screen

The email address provided will be used to create the username. On first visiting the learning platform, learners must select the "Forgotten your details?" option to set the new password.



## Menu Screen

This is the landing page that hosts each of the 10 learning packages. Each package will launch by clicking the appropriate tile.

# TOPICS EXPLORED

## Biodiversity and Nature

Protecting biodiversity is key to achieving many climate change targets, and is the focus of much of the UN's sustainability work. According to the United Nations (UN), three-quarters of the land environment and about 66% of the marine environment have been significantly altered by human actions. In this lesson you will explore how the natural world has been affected by the climate crisis and how we can have a positive impact in our own environment.



## Protecting our Water Resources

Water covers around three quarters of Earth's surface and is essential to all life forms. Yet water around the globe is under immense threat. Human activities are causing untold damage to people and planet, with many water sources paying the price. In this lesson, you will explore what we can do as humankind to protect the blue planet and why this is critical to help us reach Net Zero by 2045.



# TOPICS EXPLORED

## Sustainable Living

Since the Industrial Revolution, our society has been obsessed with the model of producing, using and discarding. This "linear" model of consumption is driving climate change in the constant quest for profitability at the expense of our planet. If we are to combat climate change, we must find economic as well as environmental solutions. Transitioning away from this linear economy towards a "circular" economy is critical to addressing and fighting climate change. In this lesson you will find out how the way we buy, use, reuse and responsibly dispose of items can contribute to getting us closer to our goal of Net Zero by 2045.



## Food and Food Waste



Our food system is under huge strain and the environment is paying the price, through land and water use, production processes and global supply chains. We are all consumers, but do we really know how our food gets from farm to fork and what impact our diet has on the planet? Whatever your degree of knowledge on this subject, you'll find some useful and practical tips so you can do your bit to help transform food systems. In this module you will explore the impact of food production and food waste on our planet, what that means and how we can do our bit to help.

# TOPICS EXPLORED

## ETravel and Transport

Travel is the largest contributor of greenhouse gas emissions in the Earth's atmosphere, warming our planet. Reaching Net Zero by 2045 will therefore require fundamental changes in how, when and where we travel. In this lesson you will find out the positive impact you can have by making sustainable transport choices.



## FMoney and Finance

Money and finance are absolutely critical to the functionality of our modern society. Money also has the potential to be a force for good in our ambition to reach Net Zero by 2045. This lesson will explore the role that money can play in fighting climate change as well as the personal choices you and your family can take to make your income work for and not against the planet.



# TOPICS EXPLORED

## Sustainability and The Circular Economy

Around the globe, countries are under pressure to decarbonise their building stock. The way we heat and power our houses and flats has significant implications for the planet and pressure is mounting to put energy efficiency at the heart of the UK's Green Revolution. Whilst there are proposals to increase the energy efficiency standard of new buildings, most of our existing homes are leaky and inefficient.



## Technology and Worldwide Trends

Our world is being transformed by a series of megatrends. However, one megatrend has the potential to meet humanity's challenges head on. Technological change continues to accelerate and can be exploited on the journey to Net Zero as a force for good. This lesson will explore the role that technology has for transformational change across society, and how it can help Scotland reach Net Zero by the year 2045.



# TOPICS EXPLORED



## Conscious Consumerism

We are in the midst of a climate emergency. Despite pandemic lockdowns, greenhouse gas emissions keep rising and Earth keeps warming. The amount of goods and services that we consume continues to rise, putting more and more strain on our planet.

This lesson looks to explore our consumer behaviour patterns, and how our choices can impact the planet and our lifestyle.

## Influencing Change

Given the weight of scientific evidence around climate change and the apparent lack of global commitment to turn the tide, many people feel like they can do nothing about climate change.

However, that is not true. This lesson shows that you as an individual can make a big difference by using your voice to drive change to help Scotland reach Net Zero by 2045.



# FURTHER READING

## **Nature Navigators: Delving into Biodiversity and Ecology**

[Biodiversity](#) | [Scottish Environment Protection Agency \(SEPA\)](#)

[Forests, desertification and biodiversity - United Nations Sustainable Development](#)

[Scotland's Biodiversity](#) | [NatureScot](#)

[WWF Link Scotlands Nature on Red Alert \(003\)\\_0.pdf](#)

## **Guardians of the Blue: Safeguarding Our Precious Water Resources**

<https://sustainabledevelopment.un.org/content/documents/17985HLPWGuideManagingWaterEnvironment.pdf>

[Living Seas](#) | [Scottish Wildlife Trust](#)

[Water](#) | [Scottish Environment Protection Agency \(SEPA\)](#)

[Water Framework Directive](#) | [NatureScot](#)

## **Sustainability Champions: Embarking on a Circular Economy Odyssey**

[The Circular Business Model \(hbr.org\)](#)

[What is a circular economy?](#) | [Ellen MacArthur Foundation](#)

[What is the Circular Economy?](#) | [Definition](#) | [Zero Waste Scotland](#)

[WRAP and the circular economy](#) | [WRAP](#)

## **Planet Stewards: Striking a Balance in Nutrition and Waste Reduction**

[‘A-peeling 40% jump in Scotland’s food waste recycling – Circular Glasgow](#)

[Food Waste Reduction Action Plan: 2025 Target](#) | [Zero Waste Scotland](#)

[Food waste worse than plastic for climate change says Zero Waste Scotland - REHIS](#)

[Love Food Hate Waste Scotland](#)

## **Eco Explorations: Sustainable Journeys in Travel and Transport**

[Can Scotland lead a ‘green travel revolution’?](#) | [FutureScot](#)

[Environment and climate change](#) | [Transport Scotland](#)

[Public Transport](#) | [Net Zero Nation](#)

[Scottish Government National Transport Strategy](#)

## **Financial Wisdom for a Sustainable Tomorrow**

[Green Financing](#) | [UNEP - UN Environment Programme](#)

[Green money: how your finances can help the planet](#) | [Consumer affairs](#) | [The Guardian](#)

[Green mortgages \(moneysavingexpert.com\)](#)

[What is green finance? - Lloyds Banking Group plc](#)

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# FURTHER READING

## **Eco Strategists: Crafting Sustainable Lifestyles**

[10 Ways To Make Your Home More Sustainable | FMB, Federation of Master Builders](#)  
[New report and forum to discuss climate action in Scotland | The James Hutton Institute](#)  
[Sustainable living | Royal Bank of Scotland \(rbs.co.uk\)](#)

## **Tech Innovators: Shaping a Sustainable Future**

[15 'Green' Tech Innovations And Practices That Can Help Protect The Environment](#)  
[Green Technology Choices: The Environmental and Resource Implications of Low-Carbon Technologies - International Resource Panel Report | UNEP - UN Environment Programme](#)  
[Storegga - Carbon Capture and Storage \(CCS\) - Green Investment \(sdi.co.uk\)](#)  
[What it will take to achieve affordable carbon removal | MIT Technology Review](#)

## **Conscious Choices: Navigating Your Impact on the Planet**

[Conscious Consumerism \(socialinvestmentscotland.com\)](#)  
[Conscious Consumerism: Understanding the dilemmas of today's consumer | Deloitte Netherlands](#)  
[How to Be a More Conscious Consumer, Even If You're on a Budget - The New York Times \(nytimes.com\)](#)  
[How to Practice Conscious Consumerism - Greenpeace Africa](#)  
[What Conscious Consumerism Really Means - Network for Business Sustainability \(NBS\)](#)

## **Leaders of Change: Empowering Youth for Sustainability**

[Climate Action - Friends of the Earth Scotland \(foe.scot\)](#)  
[Climate Action - United Nations Sustainable Development](#)  
[Climate Change Activism | Plan International \(plan-international.org\)](#)  
[How to take action on climate change - Vox](#)  
[Keep Scotland Beautiful](#)



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