

# GREEN CAREERS WEEK 2023

RESOURCE GUIDE FOR SCHOOLS





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## Feedback & have your say...

Our quick form takes 2 minutes. Your feedback on this guide will help us to continually improve the resources we create for schools.

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# Your GCW 2023 Plan

Helping you to create an engaging week

Welcome to the West Sussex, Brighton and Hove Careers HUB's resource pack for Green Careers Week. Here we have hand picked the best Lesson Plans, Videos, Activities and Parent and Student facing guides to help you to build an action-packed programme. Below you can find an example of how you could use just some of the resources in this guide.

Monday	Tuesday	Wednesday	Thursday	Friday
Year Group 7	Year Group 8	Year Group 9	Year Group 10	Year Group 12
<b>Activity</b> Sustainability Quiz + Green Employer video - tutor time  The Sustainability Quiz Take this quiz and discover how much you know about sustainability and green careers!	<b>Activity</b> Green skills lesson plan - PSHE + green skills passport 	<b>Activity</b> Green apprenticeship & video - Assembly 	<b>Activity</b> Green cities game - Engaging starter, Science 	<b>Activity</b> Green skills and careers webinar + linked in 
<b>Impact</b> Benchmark 2 - learning from Labour Market Information	<b>Impact</b> Skills education	<b>Impact</b> Benchmark 7 - Post 16 pathways and apprenticeship & education	<b>Impact</b> Benchmark 4 - linking careers to curriculum learning	<b>Impact</b> Post-18 preparation + enrichment



# Posters and Social Media

Celebrate your green programme



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## Posters

Ensure your school community know you will be participating in Green Careers Week by using these handy posters in your parent/carer comms and on social media. In this guide, we have also given you some inspiration for how to talk to parents/carers about your plans for the week and how their child will benefit from it.



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Recognise individual student contributions with these great certificates. Is there a role your student council can play?



# Engaging Parents/Carers

## Talking about Green Careers

Ideal text for  
your  
newsletter!

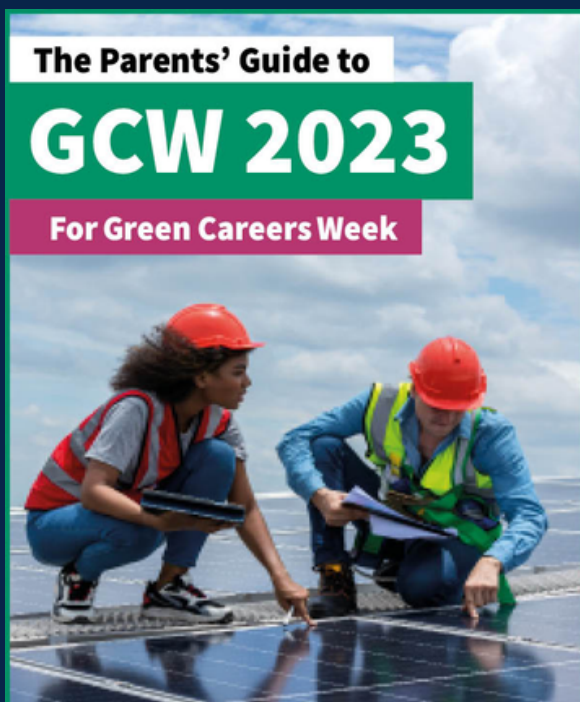
### Why Green is a priority for teens?

According to a 2021 study by Bath University (speaking to 10,000 young adults across 10 countries including the UK), two-thirds of the 16-25 year olds surveyed were worried about climate change and three-quarters felt the future was frightening. Almost half said the way they feel about climate change adversely affects their day-to-day lives.

Young people want (and need) to be involved in finding solutions to our environmental challenges, so it's vital that we provide opportunities to show them how they can play an active role within the world of work. Knowing how they can find careers that play a significant part in improving our environmental credentials should contribute towards restoring their confidence in a positive and sustainable future.

### What is a Green career?

Green careers include roles within businesses that benefit the environment and conserve natural resources. These roles have been growing over recent years and are bound to increase further as the necessity for greater energy efficiency and sustainability becomes more urgent. Some opportunities are more obvious than others, so let's take a closer look.



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Signposting  
parents to  
further  
information...





# Lesson Plans and Activities

Bought to you by



STEM  
LEARNING

Over the next two pages, we have included session plans from a range of subject areas which have all been quality assured by STEM Learning. These resources will support you to embed careers into the curriculum.

## Geography

In this resource, students investigate the biodiversity of different habitats, looking at the relative abundance of different plant species. Students carry out a practical activity in the school grounds or other green space, comparing the diversity of habitats using Cairns' sequential comparison index.

### Investigating the Biodiversity of Different Habitats

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## Biology

This sheet provides an overview of what happens during the composting process, thinking about the microorganisms involved in the decomposition of plant material. It offers ideas for monitoring temperature change within a compost heap over time and information on how to start your own compost heap.

### Composting, Recycling and the Curriculum

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## Computer Science

In this 5-minute video interview, Dr Drew Purves, Head of the Computational Ecology and Environmental Science Group at Microsoft Research in Cambridge, UK, discusses how his research can help us predict the effects of climate change on natural ecosystems, and develop strategies to address it.

### Computer Modelling, Ecology and Climate Change

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## Food Technology

In this 5-minute video interview, Dr Drew Purves, Head of the Computational Ecology and Environmental Science Group at Microsoft Research in Cambridge, UK, discusses how his research can help us predict the effects of climate change on natural ecosystems, and develop strategies to address it.

### Investigating the Difference Between Organic and Non-Organic Food

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# Lesson Plans and Activities

Continued...



## Science

## Design and Technology

This interactive online game from Siemens introduces students to the opportunities and challenges presented by different energy technologies. Students are required to implement an energy system that meets the demand to run a farm whilst minimising the cost and environmental impact.

### Energy Farm

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This resource produced by Siemens introduces students to the impacts that population size and pollution have upon air quality. A series of worksheets allow students to identify equipment used to measure different types of weather activity and construct a population pyramid for a fictional "Green City".

### Green Cities Air Quality Management Game

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## GREEN CAREERS

TEACHER RESOURCES



### What's included in the Lessons?

GREEN JOBS	GREEN INDUSTRY	GREEN PATHWAYS
What does it mean to be green?	What is the Green Industry?	What are Green skills?
What are green jobs and where can you find them?	How are the other industries becoming greener?	What routes can you take?
Why do green jobs matter?	Who are the Green employers?	What's your green pathway?
My Green Profile & other green resources		

## THE SUSTAINABILITY QUIZ

### The Sustainability Quiz

Take this quiz and discover how much you know about sustainability and green careers!

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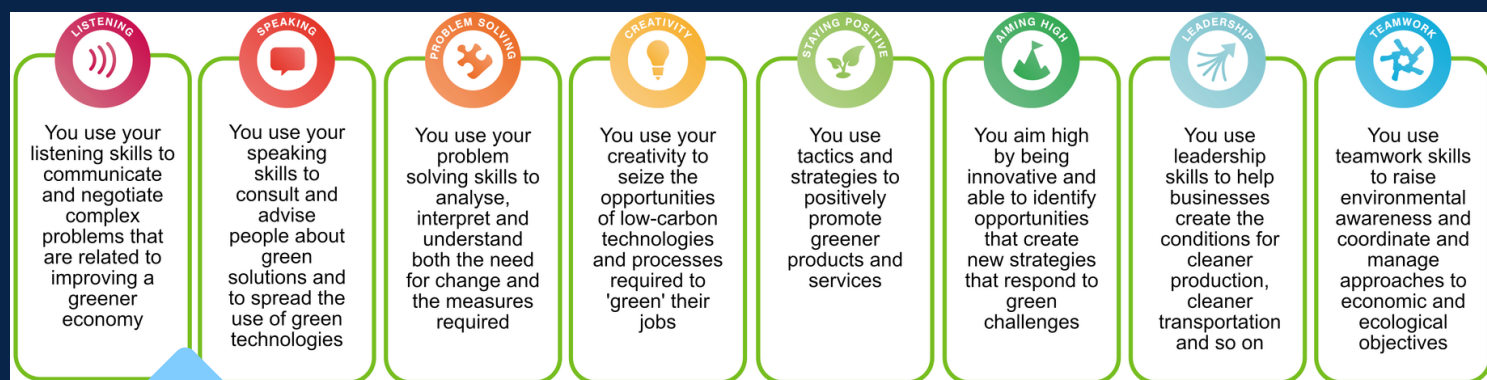
# Talking About Green Skills

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Green skills are the knowledge, abilities, values and attitudes needed to live in, develop and support a sustainable and resource-efficient society. The good news is that you already have or are developing skills that can help create a greener economy. But what skills are considered to be 'green' and why? **Here Start Careers will explore further and support students to understand how green skills link to green jobs.**



### Use SkillsBuilder?

Start Careers have applied green skills to each of the 8 key skills.

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## Green Skills Lesson plan

This engaging lesson plan will support KS3 or 4 students to explore their own green skills...

## Supporting older students with green skills.



During this video session, Pearson explore what is meant by 'sustainable skills' and how they can be embedded into every career path, not just those that are typically 'green careers'.



Familiarising older students with LinkedIn is a great way to help them to kick-start their employability profile. Here students can get tips on how to enhance and broadcast their green credentials.

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# Identifying Green Employers

Engaging videos for class discussion

We have linked some videos in this page from key green employers. By exploring these, students can learn about the move towards sustainability in different sectors and the opportunities this is creating for new roles.



Our road  
to net  
zero

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Our  
Sustainability  
story

YOUR LONDON AIRPORT  
*Gatwick*



Our new era of  
sustainable  
power

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## Let's have a discussion...

How might you be able to find out if an employer is climate-positive?

What might be some of the benefits of working for a climate-positive employer?



# Green Job Search Tools

identifying and searching for opportunities

## What are green jobs?

Here Start Careers has gathered together sample job descriptions for key green roles. These will help students understand the pay, entry requirements and common tasks involved in a range of green jobs.

It also includes a handy tool which helps students reflect on whether they possess the specific skills involved in the job profile.

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**GreenJobs**  
The Job Board for Green Experts

### **GreenJobs, Environmental Jobs and Renewable Energy Jobs in the UK**

GreenJobs lets you find Environmental Jobs and Renewable Energy Jobs from top employers and...

 [greenjobs.co.uk](https://greenjobs.co.uk)

## IEMAJOBS

Find Environmental Sustainability jobs with the official career site for The Institute of Environmental Management & Assessment. Browse our career board today to see how we can help you find the right role for a brighter professional future. We have the latest employment opportunities from top employers seeking candidates to fill their roles.

Sign up to email alerts and receive environmental sustainability jobs to your inbox. Start searching now and refine your search by salary, location or specialism.

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# Green Apprenticeships

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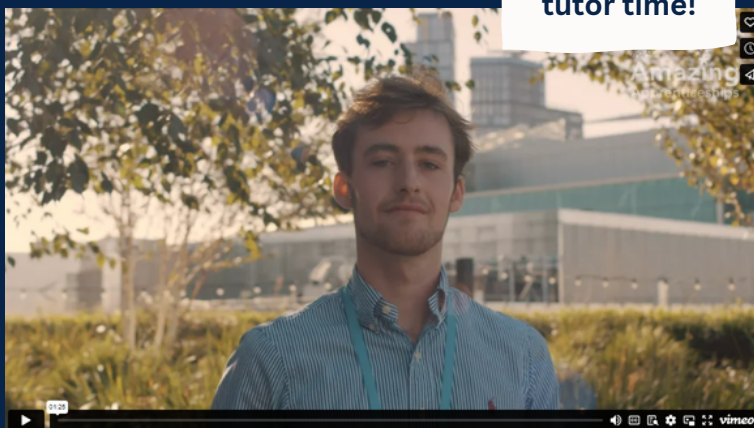


Perfect for  
assembly or  
tutor time!

Amazing Apprenticeships have created a Green Apprenticeships Film, featuring real apprentices.

The film showcases the many ways that apprentices from a wide range of roles are helping to push the green agenda forward, working with a real sense of purpose and driving real change.

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## TOP TIPS TO FIND A GREEN APPRENTICESHIP

Where to look and how to spot great vacancies



It's an exciting time for individuals thinking about green apprenticeship roles. Many organisations are now focusing on the different ways they can have a positive impact on the environment through the products and services they offer, and in turn, linking this to the apprenticeship programmes that they offer.

### What is a green apprenticeship?

All apprenticeship job roles have the potential to develop skills to help contribute to Net Zero. A green apprenticeship is where all, or part of the job role, includes tasks that contribute towards helping to achieve Net Zero. There are a wide variety of apprenticeships that support this ambition, ranging from environmental practitioners, to countryside rangers and smart home technicians.


### What is Net Zero?


The government has set a target for the UK to reach 'Net Zero' carbon emissions by 2050. The aim of the Net Zero strategy is to balance the amount of carbon dioxide being released into the atmosphere and the amount of carbon dioxide being removed from it, creating an equilibrium - therefore there would be zero increase in net emissions - hence the name Net Zero.


### Which green apprenticeships are available?

All apprenticeships are affected by sustainability, but in different ways and to different degrees.

The Institute for Apprenticeships has created three categories of apprenticeships to show the level of impact different roles have on reducing carbon emissions within the green economy.

 **Light Green:** These apprenticeship roles have duties or tasks that could link to sustainability, but do not directly link to Net Zero.

 **Mid green:** These apprenticeship roles play a part in achieving Net Zero, but this is not the main purpose of the full role.

 **Dark Green:** These apprenticeship roles directly involve work that reduces carbon emissions and sustainability is embedded throughout these roles. For example, a wind turbine engineer.

Discover more about apprenticeships:  
[www.amazingapprenticeships.com](http://www.amazingapprenticeships.com)



This Rapid Read from Amazing Apprenticeships explains what a green apprenticeship is and highlights the ways that students can find one.

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## Need to start from the start when it comes to Apprenticeships?

Try these handy fact sheets for parents and students...

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Parents

Students

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## Apprenticeship providers



Green Jobs  
for Nature

This handy guide from Green Jobs For Nature lists common apprenticeships in the UK in ecology and environmental management, click on the links and it will take you directly to providers.

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Brighton and Hove**  
CAREERS HUB

THE **CAREERS &  
ENTERPRISE**  
COMPANY