



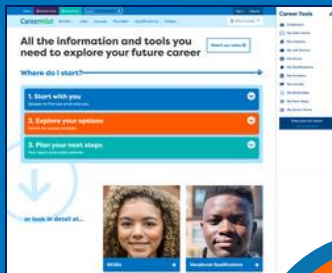
- **Careerpilot;**
- **LMI - careers in Green and Space in the SW;**
- **How to access free resources.**

Learning from
career and
labour market
information

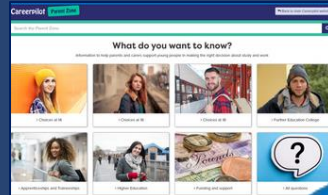


One site for students, parents, teachers and advisers - Careerpilot designed by career practitioners

Student Zone



Parent Zone



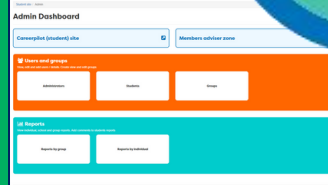
Four
Zones

+
Pathway
Planner

Triage the guidance needs of your students



Adviser Zone



Reporting Zone





Free access to all parts of Careerpilot in these areas

The Student Zone

The screenshot shows the Career Pilot website. At the top, the navigation menu includes 'All info', 'Jobs', 'Courses', 'Providers', 'Qualifications', and 'Videos', which is circled in red. Below the navigation, the main heading reads 'All the information and tools you need to explore your future career'. A large red circle highlights three main steps: '1. Start with you' (Quizzes to find out what suits you), '2. Explore your options' (Search for courses and jobs), and '3. Plan your next steps' (Your report and action planner). Below these steps, there are six portrait cards for different educational paths: 'GCSEs', 'Vocational Qualifications', 'A Levels', 'Apprenticeships', and 'Further education college', each with a right-pointing arrow. A large blue arrow points downwards from the steps section towards the bottom of the page.

1. Register/sign in
2. Build your report

Career Tools

- Dashboard
- My Skills Profile
- My Subjects
- My Job Sectors
- My Values
- My Qualifications
- My Providers
- My Courses
- My Bookmarks
- My Next Steps
- My Action Points

View your full report
...& year-end report

Reporting Zone

The Three Stages of Career Decision-making

The image displays a screenshot of the Career Pilot website, which is organized into three distinct stages of career decision-making, each with a unique color scheme and set of interactive options.

1. Start with you (Blue header): This stage focuses on initial exploration and includes options such as "How to get career ready (videos)", "Activities for your age", "Do the Job quiz", and "Start with a subject".

2. Explore your options (Orange header): This stage is centered on identifying potential paths and includes options like "Choices at 14+", "Choices at 16+", "Choices at 18+", "Explore pathways", "Search jobs", "Search courses", "View real stories", and "See qualifications by level".

3. Plan your next steps (Teal header): This final stage is about taking action and includes options such as "Download/View my full report", "View my dashboard summary report", "Use your Skills Profile to apply", and "Use the action planner".

The website interface also features a navigation menu at the top with links for "Home", "Adviser Zone", "Parent Zone", and a search bar. The main content area includes a large heading "All the information and tools you need to explore your future career" and a sub-heading "Where do I start?".

Career Tools



- Dashboard
- My Skills Profile
- My Subjects
- My Job Sectors
- My Values
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- My Courses
- My Bookmarks
- My Next Steps
- My Action Points

View your full report
...& year-end report

Sue Lewis's Career Tools

School / College: Other

Adviser comments

Discussion:

You are keen to be an actor for film/ tv. You are currently studying Drama GCSE and you have performed in lots of different performance groups since you were young. You also have developed some production and direction skills, putting on a play for GCSE and these will be useful in the future too. You have applied to Andover College to study Performing Arts and would like to do the two year BTEC Extended Diploma if you can, which includes acting, singing and dancing. This course is equivalent to three A levels and carries UCAS points. You could also do less modules and end up with a 2 A level equivalent Subsidiary Diploma. Getting into drama school is not just about qualifications - but the audition and the performance - so it may not be significant if you have 2/3 A level equivalents.

You are expecting to gain the 5 GCSEs grade 4+ that you need to progress on to this course. You are going to check with them re feasibility of grades and potential for retakes if necessary.

Next Steps after College:

We looked at what you can do after college to pursue your career in acting.

1. If you wanted to apply to a drama school to do a course in acting, you could look at the 20 different drama schools that are part of the Federation of Drama Schools. These offer degree courses which you may be able to get funding from Student Finance for tuition and maintenance fees. Check with each institution separately.

2. You could also look at degrees in acting offered more locally such as Arts University Bournemouth.

3. There may also be a way of getting your Equity card by signing up with Extra agencies. This could lead to acting work after college.

4. Consider other back up pathways in film/ tv such as production/ direction etc. To check out the other kinds of jobs available go to Creative Skillsnet and also Creative Choices. There are also degrees in some of these areas such as TV production and Stage Management.

Added by Sue Lewis on 13/09/2018

Action points

I will go to the Uni of Bristol open day *No longer required* - 25/10/2019

road choices at 16 *Achieved* - 26/09/2019

I will go to Bath Spa *In progress* - 24/10/2019

Look for wex in care *In progress* - 20/01/2021

Qualification Choices

Level 2 : GCSE Grades 4- 9 (Done this)

Subject	Grade (predicted if don't know)
Maths	4 (predicted)
English	7 (Actual)
Geography	5 (Actual)
Spanish	5 (Actual)
Computer science	5 (Actual)
Science	8 (Actual)
History	4 (Actual)

Level 3 : International Baccalaureate (Doing this)

Level 4 : 1st Year Honours Degree (Considering this)

Level 4 : HNCs (Considering this)

Level 4 : Higher Apprenticeship (Considering this)

Level 5 : HNDs (Considering this)

Level 6 : 3rd Year Honours Degree (Considering this)

Job Sector Choices

Art & design

Arts & crafts (Exploring this)

Design (Exploring this)

Childcare, education & training

Childcare (Definitely interested in this)

Education (Exploring this)

Job profiles viewed

Job sector quiz results

Art & design -

Childcare, education & training -

Sports, leisure & tourism -

Subject Choices

Biology

Business Studies

Chemistry

Values Choices

I want the freedom to work when and where I want

Provider Choices

Bath Spa University (Considering this)

Oxford Brookes University (Considering this)

University of Bath (Definitely interested)

Wiltshire College (Doing this)

Course Choices

Degree Courses

Adult Nursing BSc - Bournemouth University (Considering this)

Aerospace Engineering with Pilot Studies BEng - University of the West of England, Bristol (Considering this)

Apprenticeships

Nursery Apprenticeship - Snapdragons (Considering this)

Application closing date: 16/06/2021 open Expected start date: 23/06/2021

Bookmarks

Apprenticeships : Higher Apprenticeships

Apprenticeships : Sectors and qualifications

Higher education at 18 : Find and compare courses/providers

Your choices at 18 : University level course

Skills Profile

Skills	Added by		
	Quiz	You	Total
Independence	6	0	6
Investigation	6	0	6
Speaking	6	0	6
Leadership	6	0	6
Mathematical	6	0	6
Problem solving	6	0	6
Team work	6	0	6
Time management	6	0	6
Computing skills	6	0	6
Aiming High	6	0	6
Staying Positive	6	0	6
	6	0	6
	6	0	6
	6	0	6
	6	0	6
	6	0	6
	6	0	6

Report moves up each year until user is 20

West of England Careers Hub – Green jobs, lessons, posters, additional LMI content on Careerpilot

Space West – Identify jobs related to space and produce posters for schools

NSSW - Devon, Cornwall a Somerset CHs – Subject posters linked to growth job sectors

Swindon & Wiltshire CH – Online careers sessions for home ed students

WIN Uni Connect – 1:1 guidance with 330 students, small group careers sessions with refugees and those from military families

Net Zero and Green Jobs



In 2030 across England there could be as many as 694,000 direct jobs employed in the low-carbon and renewable energy economy, rising to over 1.18 million by 2050.



The National Picture

'The Government is committed to achieving net zero emissions by 2050.'



In the West of England Combined Authority area

Aims to make the region net zero by 2030, 20 years ahead of the UK Government's target.'

WECA: Green jobs will need to increase by over 50,000 to meet net zero targets by 2030

Three years - Green Future Funding from WECA

Aim: More students know about green jobs and ways into them

How: By Careerpilot (funded by WECA) providing resources and materials for schools/colleges to deliver to make this as easy as possible.

Recognise: Through the Green Champions award



**NATURE
RECOVERY**



**LOW CARBON
BUILDINGS
AND PLACES**



**RENEWABLE
ENERGY**



**CLIMATE
RESILIENCE**



**LOW CARBON
BUSINESS**



**LOW
CARBON
TRANSPORT**



60 GREEN JOBS

IN THE WEST OF ENGLAND REGION

Green Job

NATURE RECOVERY

- Ecologist
- Landscaper
- Countryside Ranger
- Animal Care Worker
- Outdoor Activities Instructor
- Garden Nursery Assistant
- Beekeeper
- Tree Surgeon
- Arboricultural Officer
- Hydrologist
- Forest Worker
- Botanist
- Horticultural Manager
- Farmer
- Horticultural Therapist



LOW CARBON BUSINESS

- Environmental Consultant
- Corporate Responsibility and Sustainability Practitioner
- Business Development manager
- Solicitor - Environmental Law
- Marketing Manager
- Software Developer
- Charity Fundraiser
- Data Scientist
- Management Consultant



RENEWABLE ENERGY

- Electrical Engineering Technician
- Engineering Maintenance Technician
- Wind Turbine Technician
- Nuclear Engineer
- Nuclear Technician
- Energy Engineer



LOW CARBON TRANSPORT

- Mechanical Engineering Technician
- Aerospace Engineering Technician
- Bus or Coach Driver
- Cycle Mechanic
- Automotive Engineer
- Electronics Engineer
- Transport Planner



CLIMATE RESILIENCE

- Community Development Worker
- Community Education Co-ordinator
- Meteorologist
- Civil Service Manager
- Microbiologist
- Broadcast Journalist
- Food Scientist



LOW CARBON BUILDINGS AND PLACES

- Building Services Engineer
- Architect
- Civil Engineer
- Building Control Officer
- Landscape Architect
- Smart Meter Installer
- Heating and Ventilation Engineer
- Recycling Operative
- Recycled Metals Worker
- Recycling Engagement Officer
- Roofer
- Electrician
- Plumber
- Stonemason
- Heat Pump Engineer



Jobs

Search for a job

Enter job title eg: accountant

Search

Explore jobs and careers



Countryside ranger

Countryside rangers look after green spaces, woodlands and animal habitats that are open to the public.

ANNUAL SALARY
£18,000 to £28,000

Average UK salary in 2019 was £30,378 (source Office for National Statistics)

WORKING HOURS
37 to 44 a week

You could work: evenings / weekends / bank holidays;

FUTURE EMPLOYMENT
There will be 3.9% more Countryside ranger jobs in 2027.

3.9%

What you'll do

Routes into this job

People currently working in this job by region

Live job vacancies by region New

Career path and progression

West of England Green Job Information

(Bristol, South Gloucestershire, Bath and North East Somerset, North Somerset)

Hot Jobs Careerpilot Automotive Engineer Green Job

Fancy helping design the cars of the future?

Automotive Engineers will be needed in the West of England to help design, test and build new, greener models of cars, including, electric, hybrid and driverless vehicles.

Predicted UK job growth: +3.2%
Salary: £20,000 - £45,000

How to get into this job

Post 16 courses:

- Maths, Physics A-levels
- Level 2/3 Engineering and Manufacturing

Post 18 courses:

- BEng(Hons) Mechanical with Automotive Engineering

Apprenticeships:

- Level 2/3 Engineering

Essential Skills:

Scan the QR code below for more information on this Green Job

WEST OF ENGLAND Combined Authority Careerpilot careerpilot.org.uk

Hot Jobs posters and short activities

Hot Jobs Careerpilot Countryside Ranger: Short Lesson Activity Green Job

Countryside rangers look after green spaces, woodlands and animal habitats that are open to the public. They are needed in the West of England to help protect and enhance the natural environment including woodlands, wetlands and grasslands.

1 Video: Countryside Ranger

2 Watch and listen to the video (15 mins)

3 Read the key information on the worksheet and job poster or on the QR code on Careerpilot (2 mins)

4 Show the job role to your class or an adult using a printed worksheet and feedback to the class (10 mins)

Resources developed by Careerpilot, commissioned by the West of England Career Hub.

Aim: To educate the green agenda and sort with activities understand why how to be more green in a job.

Video explaining the resources: <https://youtu.be/h0716uQr5V8>

Green Jobs Project 2023 Careerpilot

Green Lesson: Key stage 4 – 3 x 20 mins sessions (Session 3 will require individual computer access)

WHY GREEN?

Green Lesson: Post 16 and College students 50-60 minute session - will require computers

WHY BEING GREEN MATTERS?

Quiz at end of session

green yet

steady

Lessons for different ages and quiz

Need ALL jobs, places and people to be more green

Be a Green Spy: With your teacher look around your school and see what green improvements you can suggest.

In my school I spied these things

In my community I spied these things

Recycling operative Green Job

How could this job help the planet?

- Sorting out rubbish into types
- Getting rubbish ready to be recycled
- Some rubbish can be made into new things

What would you need to get into this job?

- You would need to like working outside
- You would need to like sorting things into types
- You would need to be good at listening to instructions

WHY GREEN?

Resources developed by Careerpilot, commissioned by the West of England Career Hub.

Aim: To educate the green agenda and sort with activities understand why how to be more green in a job.

Video explaining the resources: <https://youtu.be/h0716uQr5V8>

Green Jobs Project 2023 Careerpilot

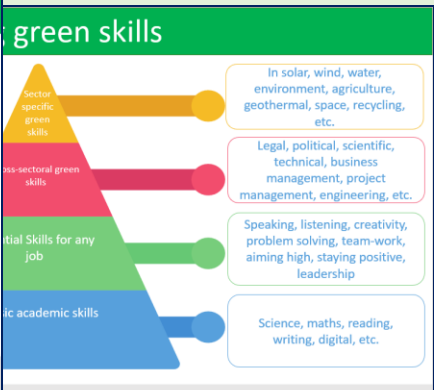
So all of us need to be more green

SEND PACK

Why every country needs to be more green

Why every country needs to be more green

WEST OF ENGLAND Combined Authority



Green resources for SEND

Models and messages

WECA - Green Champion Award: schools, colleges and career advisers

A staff member attends a green jobs CPD session	✓
The school completes a survey and commits to use green jobs resources with a range of students	✓
Over 30 students complete the green jobs knowledge quiz	✓
The school informs parents about the green agenda	✓



200+ parents:
Choices at 16 and where the jobs
will be

Green social media posts for
schools/colleges to send to parents



The UK vision

We will build one of the most innovative and attractive space economies in the world, and the UK will grow as a space nation. We will protect and defend UK interests in space, shape the space environment and use space to help solve challenges at home and overseas. Through cutting-edge research, we will inspire the next generation and sustain the UK's competitive edge in space science and technology.

The UK's goals



Grow and level up our space economy



Promote the values of Global Britain



Lead pioneering scientific discovery and inspire the nation



Protect and defend our national interests in and through space



Use space to deliver for UK citizens and the world

Latest figures show the number of space organisations identified across the UK rose from 1,293 to 1,590, creating 1,772 jobs. The sector now employs just under 48,800 people and supports an estimated 126,800 UK jobs across the wider supply chain. UK Space Industry March 23

**CORNWALL
SPACE
CLUSTER** 





Aim: More students know about space related jobs and ways into them

How: By Careerpilot (funded by Space West) researching and adding related content on Careerpilot.

Disseminate: Through posters for schools to use



Work in the space sector with this job



Electronic engineers design, build and test the electronic components that deliver the capability such as sensing, data processing, robotics, communication links for all space assets, including satellites, ground stations, and large space platforms like the International Space Station.

Examples of post-16 courses you could study at a local school or college

- Maths, Sciences, Geography A-levels
- Level 2/3 Engineering
- Engineering and Manufacturing T-Level

[Find a local provider](#)

Examples of post-18 courses you could study at a local provider in the South West

- BEng (Hons) Electronic Engineering with Space Science and Technology at University of Bath
- BEng (Hons) Electrical and Electronics Engineering at University of the West of England (UWE)

[Search for a degree course](#)

Apprenticeships you may be able to take with local employers

- Level 2-3 Engineering Apprenticeship
- Level 6 Electro Mechanical Engineer

[Search for apprenticeship vacancies](#)

Employers in the South West

- Thales Alenia Space
- Frazer Nash Consulting
- Rolls Royce
- GKN
- GE Aviation
- Moog
- Jacobs
- Airbus
- SpaceForge
- BAE Systems
- Ministry of Defence

Accessing free LMI resources: careerpilot.org.uk

Home **Adviser Zone** Parent Zone

Careerpilot All info ▾

- Also in this section**
- > Digital and IT Hot Jobs Resources
 - > Green Hot Jobs Resources
 - > NHS Hot Jobs Resources
 - > Space Sector Hot Jobs Resources
 - > Devon, Plymouth and Torbay Careers Hub
 - > Cornwall & Isles of Scilly Careers Hub - free LMI poster set
 - > Somerset Careers Hubs

National Careers Week **NCW**

The National Career Guidance Shows

Available to ANY school/college until March 14th

Adviser Zone

- Careerpilot PATHWAY PLANNER** (G8)
 - > Pathway Planner Tool - Gatsby Benchmark 8
- G1-8**
 - > Maps to Gatsby
- Reporting Zone - Get access**
 - > Reporting Zone - Get access
- Ready to subscribe to Careerpilot?**
 - > Ready to subscribe to Careerpilot?
- G1**
 - > Five week career lessons for every year group
- Quick career activities** (G1)
 - > Quick career activities
- Hot Jobs! Careerpilot** (G2)
 - > Hot Jobs Resources - FREE - Gatsby Benchmark 2
- Resources for subject teachers - Gatsby Benchmark 4** (G4)
 - > Resources for subject teachers - Gatsby Benchmark 4

THE SPACE AND DATA

SECTOR IN CORNWALL & THE ISLES OF SCILLY

The space and data industry is concerned with the manufacture and use of spacecraft, satellites and other components that go into Earth's orbit or beyond. It is also concerned with the analysis and use of data gathered from space, including data about the earth viewed from space. This is why we refer to it as the space and data sector.

BY 2030

- There are around **78** space related further education courses available at Cornwall College and Truro and Penwith College.
- A further **154** space related higher education courses are available in and around Cornwall in areas such as geography and geospace, computer science, engineering, business and science.
- 10** academic and educational institutions and **137** government departments bring together **157** industry partners.

£1bn of economic value for the area through increased productivity, jobs and turnover.

86% of space industry employers recruit staff with transferrable skills from other sectors.

The Cornwall Space Cluster brings together 157 industry partners, 10 academic and educational institutions and 137 government departments.

www.careershubsc.co.uk/ncw-guides

THE CLEAN ENERGY (RENEWABLES)

SECTOR IN CORNWALL & THE ISLES OF SCILLY

Clean energy is energy that comes from renewable sources that do not pollute the atmosphere when we use energy saved by energy efficiency measures.

Research Cornwall demand

£500m of energy each year. Much of this energy is imported from outside Cornwall and is largely dependent upon fossil fuel consumption.

CORNWALL HAS THE POTENTIAL to provide and develop a broad range of renewable carbon infrastructure, including wind, geothermal, photo-voltaic, biomass and wave power.

Somerset West and Taunton Labour Market Information

TOP EMPLOYERS

TOP JOB LISTINGS IN THIS AREA

Customer service	950
Nurses	850
Administrative roles	700
Sales executives	650
Management roles	600
Programmers and software developers	550
Van drivers	450
Customer service	450
Facilities	400
Engineering	350

POPULAR APPRENTICESHIPS

- CHILD CARE
- TECHNICAL
- CARE
- BUSINESS ADMINISTRATION
- HARBORING

TOP EMPLOYERS

Top employers in Plymouth include: University Hospitals Devonport Royal Dockyards University of Plymouth Lowell Southwest CIC Phoenix Youth Hill Land Registry Ministry of Defence Electoral Commission Plymouth City Council

These employers contributed to over 20,000 jobs in the area last year.

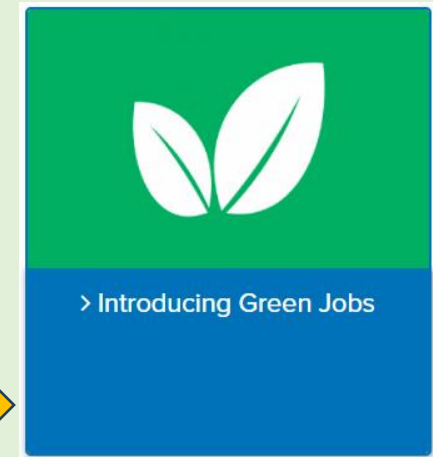
Heart of the South West LMI Data | May 2023

From WECA? How to access the specific green materials

All resources available to WECA schools through a 30 minute webinar



Monday 11th March 3.30-4pm
Tuesday 12th March 3.30-4pm
Or book a 1:1



60 GREEN JOBS
IN THE WEST OF ENGLAND REGION

NATURE RECOVERY
Ecologist
Landscape Architect
Countrywide Ranger
Animal Care Worker
Outdoor Activities Instructor
Garden Nursery Assistant
Beekeeper
Tree Surgeon
Arboricultural Officer
Hydrologist
Forest Worker
Botanist
Horticultural Manager
Farmer
Horticultural Therapist

LOW CARBON BUSINESS
Environmental Consultant
Corporate Responsibility and Sustainability Practitioner
Business Development Manager
Solicitor - Environmental Law
Marketing Manager
Software Developer
Charity Fundraiser
Data Scientist
Management Consultant

RENEWABLE ENERGY
Electrical Engineering Technician
Engineering Maintenance Technician
Wind Turbine Technician
Nuclear Engineer
Nuclear Technician
Energy Engineer

LOW CARBON TRANSPORT
Mechanical Engineering Technician
Aerospac Engineering Technician
Bus or Coach Driver
Cycle Mechanic
Automotive Engineer
Electronics Engineer
Transport Planner

CLIMATE RESILIENCE
Community Development Worker
Community Education Co-ordinator
Meteorologist
Civil Service Manager
Microbiologist
Broadcast Journalist
Food Scientist

careerpivot.org.uk Careerpivot

Green Lesson: Key stage 4 – 3 x 20 mins sessions
(Session 3 will require individual computer access)

WHY GREEN?

Green resources developed by Careerpivot, commissioned by the West of England Combined Authority

Aim:
1. To raise awareness of
2. Provide teachers and
3. Discover green job o

WEST OF ENGLAND Combined Authority

Green Lesson: Post 16 and College students
50-60 minute session - will require computers

WHY BEING GREEN MATTERS?

Green resources developed by Careerpivot, commissioned by the West of England Combined Authority

Aim:
To raise awareness of the green agenda content to help them understand why green job opportunities in the West of England

WEST OF ENGLAND Combined Authority

How green are you? Quiz at end of session

- Not quite green yet
- Green and steady
- Green and ready

WEST OF ENGLAND Combined Authority Green Jobs Project 2023 Careerpivot

Green Hot Jobs Activities: Teacher Notes

This set of 10 Hot Jobs classroom activities has been designed to introduce students to a range of different Green Jobs that are set to

Architect: Short Lesson Activity
Architects are needed to design new sustainable, low carbon domestic and commercial buildings in the West of England region.

- 1 Watch the video
- 2 Read the job profile

Building Services Engineer: Short Lesson Activity
Building services engineers design, fit and maintain the heating, lighting and power systems in offices, hospitals and shopping centres.

- 1 Watch the video
- 2 Read the job profile
- 3 Working in pairs or as a class discuss:
 - Give two examples from the video which demonstrate how Building Services Engineering can be a 'Green Job'?
 - Looking at the job profile, by what % is this job predicted to grow by 2027?
 - What different routes can you take to get into this job?

WEST OF ENGLAND Combined Authority Careerpivot

Questions

Get in touch:
sl200@bath.ac.uk

Stand 1

“Careerpilot has increased my confidence and decreased my anxiety about my future options.”

“Careerpilot has opened my mind to new career and study options I didn’t know existed!”

“Careerpilot has really helped me get a better idea of what I want to do in the future and also how to get there.”

“Careerpilot helped me so much with picking my GCSEs.”