

CEC Primary Project- Careers for 2030

- Road Map 5 -
- Environmental



Task 1

Please think about what type of career you would like in the future.

Give 2 careers you would like to do and say why.

Career 1 & Why

Career 2 & Why





What does Environmental mean?

Environment relates to the natural world around us and the impact that human activity has on its condition:

This human activity could be:-



Poluting the environment
(green house gases, rubbish,
waste, chemicals, pollution)



Depletion of natural resources
(cutting down forests, and
Cutting down too many trees)



Poluting water and soil



Over fishing and over hunting



They all contribute to global climate change.



What careers didn't exist in this sector 10 years ago?

Sustainability Manager

Nearly all large companies have a Sustainability Manager who is employed to help them use their resources more effectively and make environmentally friendly decisions.



Environmental Engineers

They use their knowledge of the natural sciences to protect the environment and human health. They might work with a company to reduce its waste or clean up a polluted area.



What careers didn't exist in this sector 10 years ago continued....

Geoscientists

They study the earth and its composition, structure and try to learn about its past, present and future.



Hydrologists

They study how water moves across and through the earth's crust. They solve problems in the areas where there is poor water quality or a water shortage.





What careers didn't exist in this sector 10 years ago continued....

App Developers

10 years ago there were no apple I-phones, so there were no apps and therefore no app developers. Now in 2020 there are 1000's of apps, including those we use to help protect our environment. They include:-

Olio - the UK throws away £15 billion of food every year. Olio diverts food away from landfill by connecting local businesses and local people. Simply list what's available and share your location with other users. this is good if you have spare home grown vegetables, etc.



Too good to go - another food waste app, this time putting restaurants with unsold food, like Yo Sushi in touch with hungry customers on a budget. A customer just needs to search for a local business, pay through the app (a huge reduction!!) and pick up your dish. Everybody wins here.



Good Guide - a team of over 50 scientists have analysed thousands of everyday products over the past decade to work out what's in them and where the ingredients come from. They then provide more environmentally friendly alternatives (e.g. from beauty products to household cleaning products)



Oroeco - this app helps you to cut back on your carbon footprint by tracking everything from driving to shopping and energy usage and encourages little changes.



Forest - the Forst App is a virtual aid that forces you to be more productive by growing you a virtual tree on your screen as you work. If you leave the app or fiddle with facebook your tree will wilt. Forest is a charity that plants trees for the future.



What careers will exist in this sector in 2030?

Vertical Farming - for the production of leafy salads, fruit and vegetables and the crops grow vertically (upwards), in stacked layers. Farmers can grow lots of foods in a small space, with low costs and high production.



All new homes will be "green homes" by 2030, so there will be careers in design, fuel cell technology and types of building and technology.



With the UK on course to be one of the most obese nation in Europe by 2030 there will be a greater focus on healthy foods, meaning careers as advisors in lifestyle will increase.



We will be eating more insects that are high in protein and easy to farm and are cheap to farm (to include: beetles, caterpillars, ants and crickets). There will be more people to feed on the planet and insects are the ideal solution. Careers in insect farming will be in demand.



Nano Sensor Scientists - will design, install and assess data from Nano Sensors which will be able to collect lots of information from soil, quality, moisture levels, temperatures, etc.



Drones and Drone Developers - will be used to for sensing and mapping crops and taking video footage over massive areas of crops.



Careers Designing Artificial Intelligence that will be used to perform labour-intensive jobs such as fruit picking, milking and feeding or designing virtual fencing to protect livestock (animals)



Biophilic Design - careers that focus on the use of plants and trees into buildings. This design has been used in home design. It aims to help the air quality of our homes.



How can we help to protect our environment?



Use reusable bags - preferably not plastic



Use recyclable drinking containers



Save Electricity -
turn off and use life light bulbs



Always Recycle



Print out as little as possible



Use less chemicals and pesticides



Grow your own food



Plant a tree



Volunteer for clean ups!



Take the bus, walk or cycle more!



Save a Tree,
Go Digital

Reduce use of paper



Save Water



What does your local council do to help the environments?

Manage Pest Control from
cockroaches, fleas, ants, mice, rats,
pigeons, bed bugs

Fly tipping is a crime and its when people
dump waste illegally.
(this cost the council £426,000 in 2019)

Look after trees
(prune, remove and protect)

Flooding
Land Drainage

And many more, you can find
more information on the
website at - go.walsall.gov.uk

Conservation to include:
Archaeology
Building Conservation
Nature conservation
To achieve a cleaner greener, safer and
healthier environment

Pollution Control from
Industrial waste, smoke control,
industrial noise, water pollution, industrial
odours, contaminated lane, air quality





Task 2 - Personal Skills

What personal skills do you think are important now?

.....

Do you think these skills will change in the future? If yes, how do you think they will change?

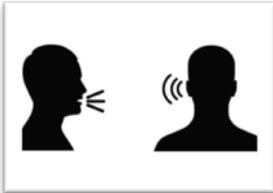
.....





Top 8 Essential Skills are:-

Listening



Presenting



Creativity



Team Work



Leadership



Staying Positive



Aiming High



Problem Solving





Task 5

Now you have listened to the presentation about the environment, would you consider a career in this sector?

If yes, what career would you consider and why?

.....

Have you been inspired by anyone or anything you have seen today?

If yes, who?

If yes, why?



Questions & Answers