

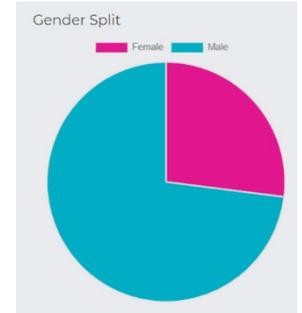
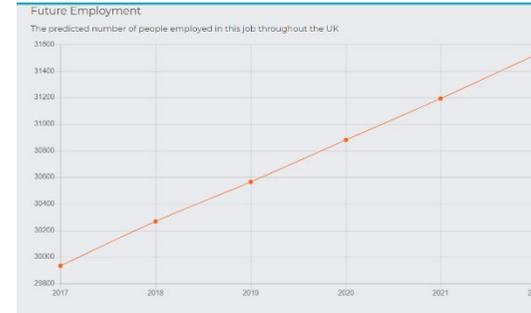
Linking Curriculum Learning to Careers – Geography, Physics & Maths

STEM Career to fight global warming



UK Average Salary
£30,952
Source: U-Explore National Research

Starting Salary
£20,945
Source: U-Explore National Research



Meteorologist

Meteorologists study the atmosphere to forecast weather conditions and climate change.

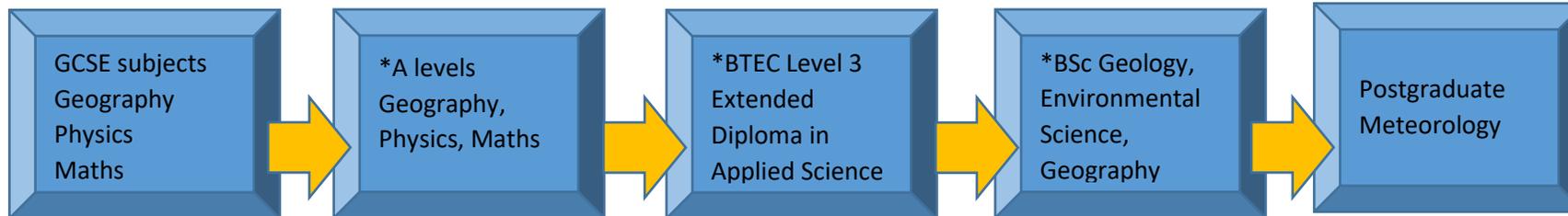
They study data and observations of the Earth's surface, oceans and upper atmosphere collected by weather stations, radars, satellite images and remote sensors.

Specialist computer programmes and maths techniques are used to interpret the results into findings and weather predications, which are then provided to the media, organisations and various industries. Meteorologists have to be good at maths. This is because they use mathematical equations to interpret statistics into findings and weather predications.

Hard To Fill?

A recent Government survey suggests that 40.68% of vacancies for this job are currently hard to fill, of which 87.68% were down to candidates not having the required skills.

What to do to get into this career



Skills and Qualities

Presentation skills, Accurate and methodical when recording and analysing data, Numeracy, Communication, Computer skills to analyse results, Ability to explain your findings clearly and concisely, Teamwork, Eye for Detail, Committed, Dependable, Reliable

More Information

The usual minimum entry level for this role is a Bachelors degree or postgraduate qualification.

The Met Office usually requires graduates to have a first or upper second class degree as competition for jobs is very high.

Research meteorologists are usually required to have a postgraduate degree.

Work placements are available with the Met Office, as well as with other organisations and it can be a big advantage to gain experience in a professional environment.

* Check individual university entry requirements

2. Renewable Energy Engineer

The development and use of [alternative energy sources to fossil fuels](#) will be fundamental to staving off dangerous climate change and decoupling economic growth from carbon emissions.

3. Tech entrepreneur

We're living in the age of the [entrepreneur](#): as technology evolves at break-neck pace, opportunities to innovate and disrupt with bright new ideas are popping up all over the place. Solving climate change will require smart ideas from smart, passionate people – the kind who aren't afraid to stand up to politicians twice their age and tell them to get their act together!

4. Palaeo-climatologist

Climate change is impacting us now, but looking into the distant past could be part of the solution. Palaeo-climatologists like [Monika Markowska](#) look at climate through the ages to help us predict the effects of climate change in the future.

5. Agricultural scientist

Agriculture is one of the world's biggest CO2 emitters, but with a growing global population – and many people going hungry – the need to come up with innovative solutions to improve sustainability and efficiency in farming is becoming more urgent than ever. And we might just know of a few passionate young people who could be up for the challenge.

