

- Please **complete** the free, online, Open University course "Climate change and renewable energy".

<https://www.open.edu/openlearn/nature-environment/environmental-studies/climate-change-and-renewable-energy/content-section-0?active-tab=content-tab>

- You will need to **create a free account** before starting the course.
- In total, this course should take **no more than 8 hours** to complete.
- There are six sections. Each section has specific tasks, reading to do and assessments to try in order to meet appropriate outcomes and criteria.
The course is designed to consolidate and extend learning from GCSE science and challenge you towards the higher standard in our level 3 qualification. This includes developing your maths skills, subject knowledge, analytical skills and communication skills.
After studying this course, you should be able to:
 - *explain the basic principles of the atmospheric greenhouse effect and the term 'Net Zero'*
 - *understand the human influences causing the enhanced greenhouse effect*
 - *understand the reasons for, and the consequences of, climate change*
 - *explain the role of international climate negotiations*
 - *understand the need for large and immediate cuts in greenhouse gas emissions*
 - *understand the key technologies and other actions, which will include behavioural change, needed to stabilise the global climate.*
- **You can do the six sections on a week-by-week basis or do more than one section in one week.**
- **It is expected that you complete the course prior to starting in September.**
- You must **save the electronic certificate that you will earn by completing the course. You will be asked for it in the first week of the course in September.**

Course offered:

OCR AAQ Applied General Science
Extended Certificate (H151)
Specification references relating to this
transition work are:
F180 2.1 & F181 1.3.3 and 3.3.2

Applied Science team:

Mrs K. Molloy
Mrs. J. Owen

Mr J. Davenport – Director of Science

If you have any questions or queries, contact jdavenport@stjosephsmail.com

and you will get a reply as soon as possible.

If you are an SJC student already, you can send message on Teams.

Please note, due to school holidays, that it may be a few days before you receive a reply.

Specification and further course information:

<https://www.ocr.org.uk/qualifications/cambridge-advanced-nationals/applied-science-level-3-h051-h151/#extended-certificate>

Additional information:

This course will have external examinations in the summer of Year 12 as well as the January of Year 13.