

Sustainable Energy: an unbiased Review of Options

Presented by Brian Sowerby



Learn how to teach your students good and interesting lessons about sustainable energy and climate change from a balanced and unbiased perspective.

Format: 3. Online - Team

Audience: Secondary Teachers of Science and Geography

Description

Hi there. My name is Brian Sowerby, a former CSIRO Chief Research Scientist. I have created this course to provide you with teaching tools that can be used to engage students in up-to-date learning on how to provide energy in the future while minimising environmental damage. The course provides a balanced and unbiased overview of the various options. The focus of the course is on providing information on the various technologies and on conducting a realistic evaluation of these technologies. The course has strong links to various parts of the high school syllabus, particularly in Science, Earth and Environmental Science, Physics and Geography. The course firstly looks at motivations for changing our energy production and use followed by an assessment of our energy demands now and in the future. To meet these demands renewable technologies are evaluated as well as coal or gas with carbon sequestration, nuclear and geothermal. A wide range of teaching resources is provided.

Additional notes about this format

Teaching Standards

2.1.2 Proficient Level - Content and teaching strategies of the teaching area

2.3.2 Proficient Level - Curriculum, assessment and reporting

6.2.2 Proficient Level - Engage in professional learning and improve practice

Are you in NSW? If so, this is relevant for you

Completing this course will contribute 6 hours of NESA Registered PD addressing 2.1.2, 2.3.2 & 6.2.2 from the Australian Professional Standards for Teachers towards maintaining Proficient Teacher Accreditation in NSW.



Sessions

No session information is available.

About the team



Brian Sowerby

Creator

Brian Sowerby recently retired as Chief Research Scientist and Program Manager (Instrumentation and Control) with CSIRO Minerals. He obtained a BSc (Hons 1) from the University of NSW and a PhD in physics from the Australian National University. Following two years post-doctoral work in Canada, Brian has carried out research and development in Australia on the application of on-line analysis techniques in the mineral, energy and security industries. His work led to the commercialisation of a number of on-line analysis instruments and he has received many awards for this work including the prestigious Australia Prize in 1992.



Enrol now to secure your spot

Limited spots are available. Please enrol online or fax your enrolment to 1300 667 691 to secure your spot.

Please note, by submitting this enrolment form you are confirming that you have been given financial approval by your employer to attend this course. Cancellation advice should be given in writing 7 days before the commencement of this course.

Product: Sustainable Energy: an unbiased Review of Options

Occurrence Date:

Your Name:

Your email address:

Employer name:

Employer phone:

Enrol online at <http://tta.edu.au>