

## Access to Higher Education Unit

This unit forms part of an Access to HE Diploma. If delivering the graded version of this unit, please refer to the Provider Handbook for details on grading descriptors and the application of these across units within your programme.

**Unit Title:** Energy Resources

**Graded Unit Reference Number:** GA33GEO02

**Ungraded Unit Reference Number:** UA33GEO02

**Module:** Geography and Environmental Studies

**Level:** Three (3)

**Credit Value:** Three (3)

**Minimum Guided Learning Hours:** 30

| Learning Outcome (The Learner will):  | Assessment Criterion (The Learner can):   |
|---|---|
| 1. Understand the nature of energy and the range of energy resources available in the natural world | 1.1 Define 'energy' and identify the range of renewable and non-renewable energy resources available to humans                                |
|   | 1.2 Evaluate the usefulness of two renewable and two non-renewable energy resources available to humans                                       |
|   | 1.3 Explain the principle of electricity generation using one renewable and one non-renewable example   |
| 2. Understand the key geopolitical factors affecting the exploitation of energy resources           | 2.1 Interpret data relating to the global patterns of energy supply and consumption, including developed and developing countries             |
|   | 2.2 Identify geopolitical factors affecting trade in energy resources, including conflict and the role of cartels and transnational companies |
| 3. Understand the environmental impact of energy production   | 3.1 Evaluate the environmental impact of energy production from fossil fuels, nuclear power and wind turbines                                 |
|   | 3.2 Describe and evaluate measures designed to reduce energy use in the UK and their potential impact on the environment                      |