

# Do we have enough energy to power our future?

Year 6 Term 4

Human impact and interaction



## Key geographical concepts

- Location 
- Human and physical geography 
- Place 
- Fieldwork 



## Key learning



- To locate the UAE, Russia, Iceland and the USA on a world map.
- To identify key cities including Dubai, Moscow, Reykjavik and Houston.
- To name the seas around the UK.
- To understand that natural resources are used to produce energy.
- To know the main renewable energy sources (hydropower, solar, wind and geothermal).
- To know the main non-renewable energy sources (coal, oil and wood).
- To explain how natural resources can benefit places such as Dubai and Iceland.
- To compare energy sources in different locations.
- To use maps, atlases, globes and digital maps to describe physical and human features.
- To analyse map patterns (such as settlements) and use a scale bar to measure distance.



## Key vocabulary

Renewable energy	Energy that does not reduce in quantity when it is used.
non-renewable energy	Energy that cannot be replenished and will eventually run out.
fossil fuel	A material formed from the remains of plants and animals over millions of years.
hydropower	Energy generated by the movement of water
Wind power	Energy generated by wind powering large turbines
Geothermal energy	Energy generated by the heat from the Earth's core.
Solar power	Energy generated by the sun and solar panels.
Biofuel	Energy generated from plant or animal waste.
Coal	A black rock found deep underground which is used as fuel.
Crude oil	A naturally occurring liquid made millions of years ago, found underground.
Nuclear power	Energy generated from radioactive materials that create heat.



## Big Ideas - Our Learning Journey

Reception

**Settlement** - Where do I live?

Year 1/2

**Settlement** - What is the geography of where I live?  
How does Kampong Ayer compare with where I live?

Year 3/4

**Settlement** - How and why is my local area changing? Why do so many people live in megacities?  
How can we live more sustainably?

Year 5/6

**Settlement** - Why are mountains so important? How is climate change affecting the world?  
Does every country have what it needs for its population to survive?



## Ethics

Should we stop using fossil fuels altogether even if it means higher energy price for everybody?