

Financial Times: US Nuclear Power Revival



Link to FT article

Theme and specification link

This resource looks at how countries such as the US are attempting to secure their energy supply.

The link to the article can be found here: <https://bit.ly/4jyelM7> or use the QR code in the top right corner of this page.

...
This article underpins many aspects of resource security within the A Level specifications specifically:

AQA

3.2.5.4 Energy security.

Cambridge International

12.1 Sustainable energy supplies Renewable and non-renewable energy resources.

12.2 The management of energy supply.

Edexcel

Topic 6: The Carbon Cycle and Energy Cycle. Enquiry question 2: What are the consequences for people and the environment of our increasing demand for energy?

Edexcel International Advances

Topic B1: Energy Security

Eduqas / (WJEC)

(4) 3.4 Energy Challenges and Dilemmas

Key terms



Use the article and your own knowledge to define the key terms below:

Data centres

Fracking

Reshoring

Small Modular Reactors (SMRs)



Location 

Using satellite imagery from a digital map application, draw a sketch map showing the Palisades Nuclear Power Plant off Lake Michigan. Annotate your map to describe and explain the surrounding landscape.





Summary in numbers

Find the related statistic in the article and develop it to add context and summarise the report.

\$3bn

144

\$18bn

2022

\$15,000

\$3.2bn

75%

1.4mn

2050

Wider issues

Write a question here to help think about other issues which might influence the points in the article.



Synoptic links



Note down any synoptic links using your specification to help you. A Mind Map might be helpful here.

US Nuclear
Power Revival

5 examination-style questions



To what extent is nuclear power a solution to energy security.

Explain the role TNCs play in creating energy security.

Assess the opportunities and challenges of nuclear power.

Evaluate the role new technology has in a country's energy mix.

Explain how superpowers such as the US and China are influencing the supply of energy on a global scale.