|  |
| --- |
| Financial Times: UK development |



# Theme and Specification link

The balance between ensuring a sustainable energy and water supply with the development of infrastructure is a common issue in developing countries. The UK is no exception to this; there is a balance that key players must consider when developments bring conflicting priorities.

The link to the article can be found here: <https://bit.ly/4ma3rlf> or use the QR code in the top right corner of this page.

This article underpins many aspects of carbon within the A Level Specifications specifically:

AQA

3.2.2 Changing places

3.2.5.3 Water security

3.2.5.4 Energy security

3.2.5.6 Resource futures

Edexcel

Topic 6: The Carbon Cycle and Energy Security

Topic 4: Shaping Places. Option 4A: Regenerating Places

(Eduqas) and WJEC

(3)4.4 Energy Challenges and Dilemmas

OCR

Topic 2.1 – Changing Spaces; Making Places

4.c. Mitigation and adaptation are complementary strategies for reducing and managing the risks of climate change.

# Key terms

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

*AI Data Centres*

*AI Growth Zones*

*Blue Hydrogen*

*Carbon Capture*

*Energy Consumption*

*Water Stress*



# Summary

Summarise the report in 10 bullet points.

1.

**Wider issues**

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

2.

3.

4.

5.

6.

7.

8.

9.

10.

# Handshake outlineConflict matrix

Using read about the different key players involved from the article then complete the conflict matrix below using the following key:

++ = in complete agreement, + = mostly in agreement, N = neither agree or disagree, - = some disagreement, - - = completely disagree.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Key players | Teesworks LTD | South Tees Development Corporation | Ed Miliband (Energy Secretary) | BP | Tees Valley Combined Authority (TVCA) | Investors | Local community |
| Teesworks LTD |  |  |  |  |  |  |  |
| South Tees Development Corporation |  |  |  |  |  |  |  |
| Ed Miliband (Energy Secretary) |  |  |  |  |  |  |  |
| BP |  |  |  |  |  |  |  |
| Tees Valley Combined Authority (TVCA) |  |  |  |  |  |  |  |
| Investors |  |  |  |  |  |  |  |
| Local community |  |  |  |  |  |  |  |

Justify the most conflicted groups from your conflict matrix.

# Synoptic links

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

UK

Development



# 5 examination style questions

Outline the environmental concerns associated with the development of large data centres.

‘Technological growth and environmental sustainability are incompatible at the regional scale.’ To what extent do you agree with this statement?

Evaluate the implications of building large infrastructure projects such as a data centre.

Assess the role of key stakeholders in the development of large infrastructure projects.

Assess the success of redevelopment projects such as the Teesworks development for people and the environment.