

Literacy

Renewables

Write a letter to the First Minister, Nicola Sturgeon, persuading her to ensure energy in Scotland is generated through **renewable and environmentally friendly sources**.

You will need to conduct some **research** before writing the letter. You should think about the damage caused by non-renewable energy to the environment, wildlife and people.

Make sure you include the **advantages and disadvantages** of having renewable energy sources that are environmentally friendly.

Remember you are trying to **persuade** the First Minister to invest in an environmentally friendly future. Why should she do this?



Numeracy

Energy in Food

The following table contains different foods and their energy content. Use it to help you answer the questions.

Type of Food	Energy per 100g (kJ)
Milk	250
Cheese	1480
Chicken	650
Tuna	700
Porridge	1600
Bread	920
Banana	360
Broccoli	240
Carrot	180

1. Which type of food has the highest energy content per 100g?
2. Which type of food has the lowest energy content per 100g?
3. How has the energy comparison between different types of food been kept fair?
4. If you ate 75g of porridge mixed with 50g of banana, how much energy would you take in?
5. Use the table to draw a bar graph of the energy in different types of food.

IDL - History

Inventors

Design a **poster** which celebrates the people who discovered or invented renewable energy sources. You will need to conduct some **research** before creating your poster.

You need include the name of the inventor, how they discovered their renewable energy source and how that source can be used to generate electricity.

Health & Wellbeing

Non-renewables

Create a **PowerPoint** which discusses the effects of the nuclear disaster in Chernobyl. You need to conduct some **research** before designing the PowerPoint.

Be sure to include the effects of radiation on the environment, the health of the people in Chernobyl and the next generation.