

Osney Lock Hydro

Date:

Name:

Class:



Task 1 - Look at the **4 locations below**, can you identify a **suitable** type of **renewable energy** for each one?

Well done if you can work out the most appropriate type of renewable energy for location 4!



1. An open disused brown field site

Solar array - Photovoltaic solar panels



2. An open hillside away from houses

Wind farm – wind turbines



3. A weir next to a small town

Hydro scheme – Screw turbine



4. An area with natural hot springs

Geothermal scheme – steam turbines

Task 2 – Using the words and numbers in the list below, **fill in the gaps** in the following sentences

55 ~ community ~ electricity ~ 2013 ~ reverse ~ shares ~ generates ~ Archimedean ~ hydro ~ 2001 ~ Osney



- In **2001** a group of local residents came up with an idea for a new power generation scheme for **Osney** Island.
- As a **community** owned scheme, residents were able to buy **shares**.
- Work to build the **hydro** got underway in **2013**.
- The hydro uses a **reverse Archimedean** screw turbine.
- The hydro **generates** enough to **electricity** to power about **55** homes.

Osney Lock Hydro

Date:

Name:

Class:



Task 3 – The power of water....

The river has inspired **poets** and **artists** throughout history. Using the story of **Osney Lock Hydro** to inspire you, **write a poem in celebration of the river and renewable hydropower.**

- Think about descriptive language and choose your adjectives carefully
- Think about the rhythm of the turbine as it rotates!
- You might like to present your poem with illustrations inspired by the river



Write and illustrate your poem in the space below

You may like to scaffold this further by asking children to write an acrostic poem using the words **HYDRO** or **RIVERLIFE**.

Indicative content:

Hear the sound of the river rushing

Year round it flows downstream

Down to where the hydro lies

Ready to turn for us today

Or is it turning for the future?

Or

Take a walk to Osney Island and w**H**at will you find?

The river happil**Y** chasing down to Osney Lock

Where a turbine's bla**D**es turn and turn

Generating energy that is **R**enewable and clean

Power for our homes and f**O**r a better future