

Talybont Energy

Lesson Plan

Talybont Energy and the Turbine



Curriculum Links

Geography	Key Stage 2	Unit 4: Knowledge and understanding of patterns and processes
Geography	Key Stage 2	Unit 5: Knowledge and understanding of environmental change & Sustainable development
Citizenship	Key Stage 2	Unit 2: Preparing to play an active role as citizens
Science	Key Stage 2	Sc4: Physical processes (units 1 & 2)

Learning Objective

- To introduce sustainable energy
- To understand how a electric water turbine works
- To explore a local community project and group

Lesson Structure

To be conducted over 1 session:

Introduction, primary information and turbine activities

Session 1

- Establish Talybont's location and the role of the community group and turbine
- Introduce Talybont reservoir and how it was formed
- Activity showing water flow
- Ask class what they already know about electricity and discuss its uses
- Explore where electricity comes from and types of alternate energy
- Activity building the turbine model and creating electricity

Equipment (supplied)

- Water flow activity
- Water turbine model
- Worksheets

Resources (needed)

- Pens and pencils
- Water tap/pipe (container supplied)
- Flip chart or chalk/white board

Follow-up work

- Questionnaires