



Llanbister Primary School

**Pedagogy based
on learning
experiences.**

Our vision

Llanbister C.P. School Vision

In Llanbister school we aim provide learners with the skills, attributes and confidence to become lifelong learners. In our small, nurturing, community-based school, we focus on developing relationships, emotional literacy, and reaching individual potential. Through a wide range of engaging experiences, we provide a creative and purposeful curriculum that will enable our learners to be successful today, tomorrow and for the future.



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Where learning experiences last a lifetime

Research Question

What impact does learning through practical experiences have on the engagement in Science and Technology for year 2 pupils?



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Spring 2022 - Extreme Earth

- Whole school topic
- Through pupil voice we knew that the year 2 children wanted to learn about electricity.
- Started with storms, Corrie, Dudley, Eunice and Franklin.



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'Cynefin'

- Supports children to be ethical informed citizens of Wales
- Encourages learners to be knowledgeable about their culture and community.
- Theme through all AOLE's
- Starting point to the topic.
- Relevant to the learners.

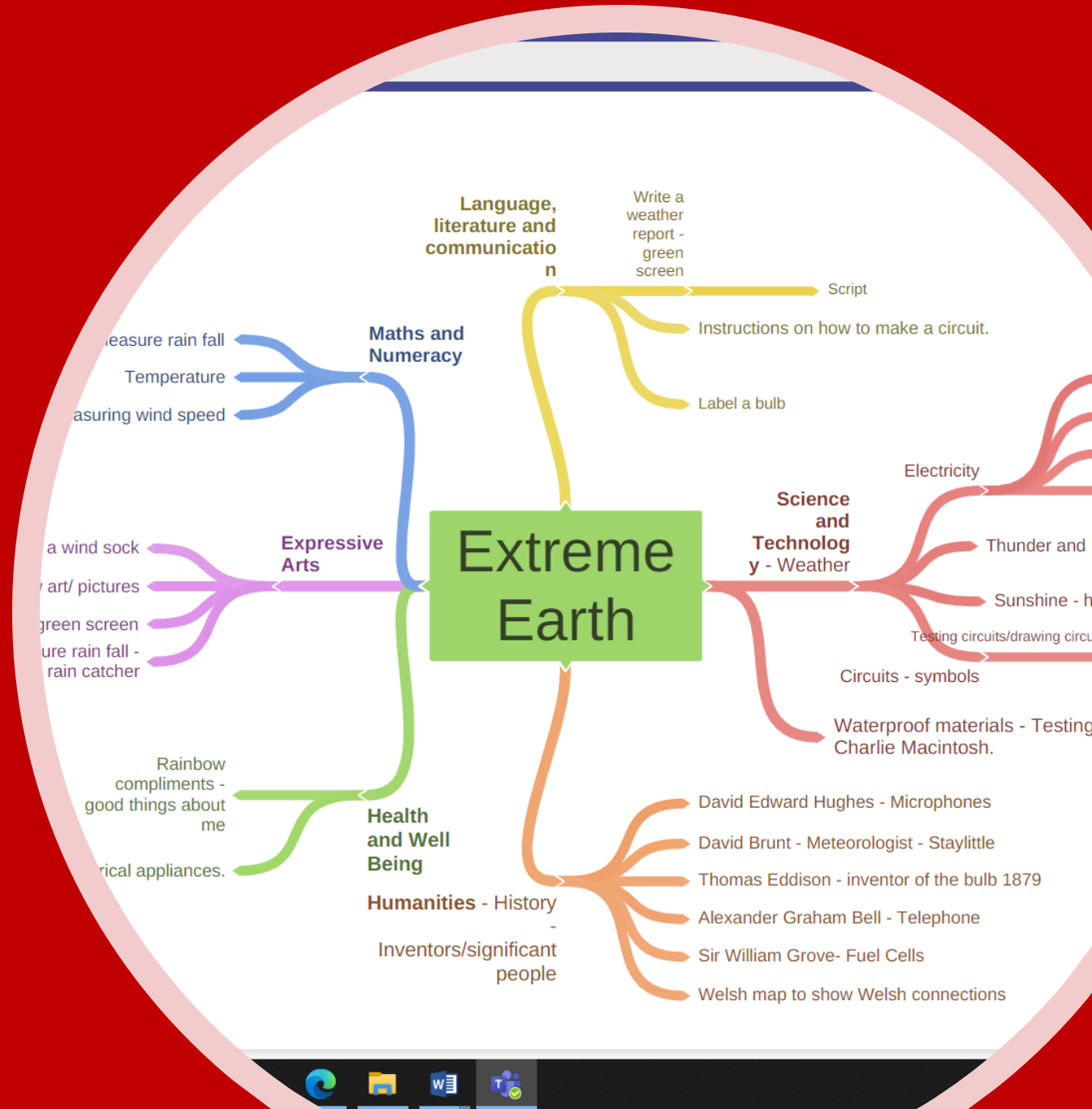


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Planning

- Colour code the AOLE's
- Mind mapping the learning from pupil voice and experiences I wanted to bring in





Off – site
visit

Elan Valley

Pen y Garreg
Hydro-electric Dam



Most of our pupils had been before but

...

Didn't know about renewable energy
being produced there.

Had never been inside the wall of the
dam.

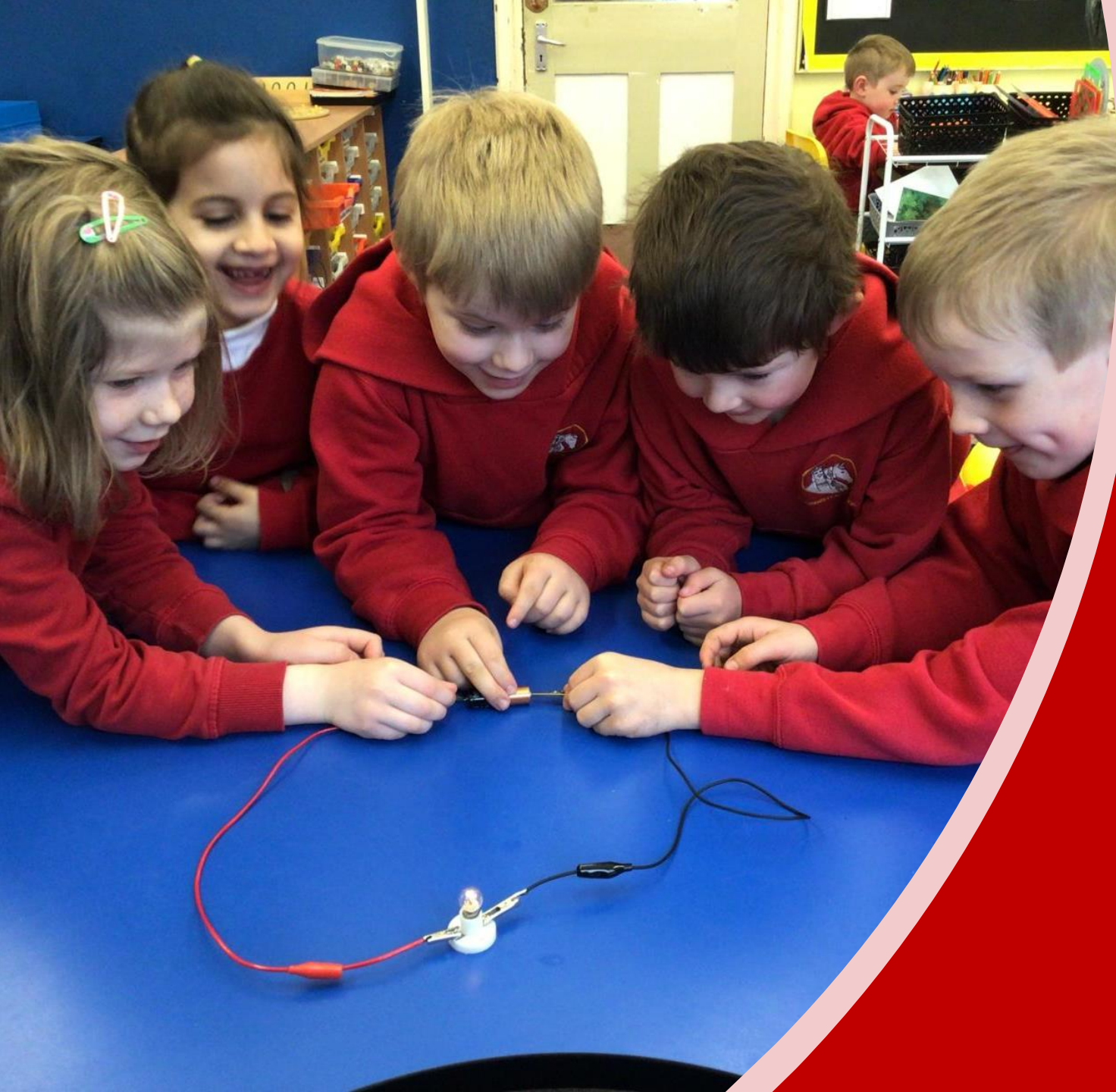
Didn't know that the fish on top of the
Foel Tower is used to turn energy from
lightening into useable energy.

The dams produce enough energy to
provide electricity to homes in Rhayader
and Llandrindod Wells.



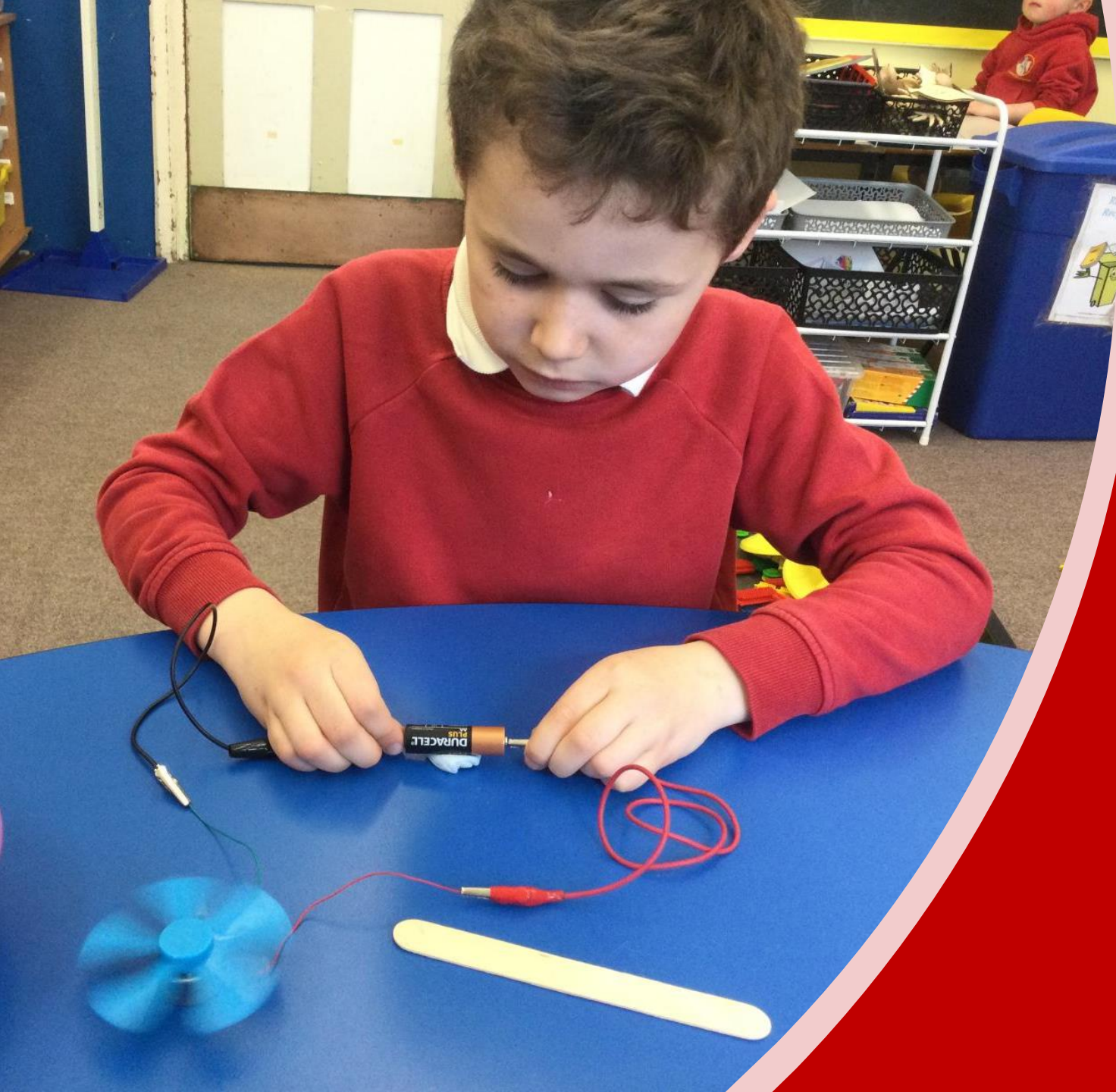
Classroom based learning

Wild Science Workshop
States of matter
'Water Cycle'



Classroom based learning

Making circuits



Classroom
based
learning

Adding a motor



Classroom
based
learning

Making a windturbine

Initial findings

Greater confidence in using scientific resources safely and independently.

Greater understanding of scientific concepts.

Children could explain what they had learned using correct vocabulary, not just the next day, but weeks later.

Progression was clear through the topic.

Children enjoyed their learning.

Facilitated collaboration, turn taking, problem solving, communication and many other skills naturally.



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Limitations

- Can be expensive to take children on trips or to have workshops.
- Needs to be planned in advance.
- Rural school.
- Takes time to look for relevant experiences.



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Summer Term 2022

Reading -
Authors and
Illustrators

Llanbister
Experience days



Experiences offered to our learners so far

Animal Man visit, Remembrance parade, online streamed panto, Elf run, whole school performance, trip to the Silver Mountain mine, online interview with Martin the geologist, walk in the community, Eisteddfod, entrepreneurs selling rocky road, visits from the Wild Life Trust team, MAWWF, Department and Food Standards theatre show, library visit, raft building, interview with an Author, Illustrator and Journalist, Roald Dahl theatre performance, Cross country event, Judo, Squash, Karate, Zumba, visit to Hay Festival, Elan Valley visit, sports day, cooking, honey tasting, adopting a Gorilla, Puppet soup workshop, and many more.....



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In your AOLE's

Discuss what learning experiences you think are important to have.

What learning/skill does this experience promote?

How could your local area enhance your AOLE? What opportunities are on offer?



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Further reading on
experienced based
learning can be
found....

Beaudin, B.P. and Quick, D., 1995. **Experiential learning: Theoretical underpinnings.** Fort Collins, CO: Colorado State University, High Plains Intermountain Center for Agricultural Health and Safety.

Falloon, G (2019). Using simulations to teach young students science concepts: An Experiential Learning theoretical analysis, *Computers & Education*, Volume 135, Pages 138-159, ISSN 0360-1315, (<https://www.sciencedirect.com/science/article/pii/S036013151930051X>)

Kolb, D., 1984. **Experimental learning.** 2nd ed. Englewood Cliffs: Prentice-Hall.

Kolb, D., 2021. **Experiential learning.** Upper Saddle River (New Jersey): Pearson Education.



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