Pontarddulais Primary School

Everyone is important, everyone is unique and everyone deserve the very best

Year 4 Learning Project
Autumn Term 2025



Year 4 Theme: How can people in different places look after their environment now and for the future?
'Contrasting Environments - Sustainability'

Project Overview:

This term, Year 4 pupils will be taking part in an exciting project exploring contrasting environments by comparing Botswana with Pontarddulais and Wales.

Children will learn about what life is like in Botswana and how it compares with their own local area. They will explore weather, landscapes, wildlife, homes, schools, and daily life, helping them understand how people live in different parts of the world.

A key focus of the project is sustainability. Pupils will think about how people in both Botswana and Wales use natural resources such as water, land and energy, and why it is important to look after our planet. They will discuss environmental challenges and explore how small actions can make a big difference.

Throughout the project, children will develop their curiosity, creativity and problem-solving skills through a range of activities including reading, writing, maths, science investigations, art, and discussions. At the end of the project, pupils will share their learning through presentations and creative work.

This project supports the Curriculum for Wales and encourages children to become informed, caring and responsible citizens of the world.
Many of our activities will be based on 'Pupil Voice' and the ideas the children come up with from their 'Learning journey/ Topic planning'.

Engaging Visits & Experiences: As part of our topic, we'll be looking to explore and utilize our local area as much as possible. The residential trip to Llain will be an opportunity for the children to engage in adventurous activities and develop their Health & Well-being.

- **Class novel – Gangsta Granny**
- **P4C – picture books. No Outsiders texts**
- **Values of the month**
- **Sign of the week – BSL**
- **Welsh Week – Eisteddfod Dydd Gwyl Dewi**

Health and well-being	Language, Literacy and Communication	Mathematics and Numeracy	Humanities	Expressive Arts	Science and Technology
Relationships & Identity • Discuss how access to **clean water and food** affects well-being. • Explore ways to care for our local environment and community. • Reflect on how our choices can help others and the planet. Internet Safety Day 2026 **Know how and when digital media can be shared safely, with permission and when it can be a source of harm.** **Awareness of the benefits and dangers of the internet and social media in forming friendships online.** **Understanding respect in all relationships offline and online.** **Understand that CONSENT links to RIGHTS. Establish that it means agreement.**	Language, Literacy and Communication Oracy – 'Just a minute'/Experts' Related to sustainability e.g. which place faces the biggest sustainability challenges Research & a range of quick comprehensions and texts about Botswana Reading behaviours: • Summarising • Activating prior knowledge • Questioning • Visualisation Writing • Spelling/High frequency words/ - Spelling journals/ Phonics focus groups / Grammar/Handwriting/ Skills burst • Discussion – should hunting be banned? (oracy presentation) Recount – diary, day in the life of a child in Botswana Welsh Language Devlopment • Dyma fy ffrind • Drilio - 17 patterns & darllen • Darllen a deall BSL – Sign of the week, make connections to Cymraeg patterns	Mathematics and Numeracy • Mental Maths • Problem solving fortnightly sessions • Applying skills in Rich tasks & reasoning challenges Measuring temperature and negative numbers Compare rainfall data • take temperature readings using thermometers and interpret readings above and below 0°C • define a negative number as being less than 0 • identify negative whole numbers on a number line • order whole numbers between -10 and 10 • take temperature readings using thermometers and interpret readings above and below 0°C Co -ordinates • co-ordinates in 1 quadrant Real life context problem solving– how much water does a leaky tap waste? Use measuring skills and timing e.g. how much in 1 minute, repeat 3 times, calculate an average. Predict how many drips in 10 mins, an hour, a day. Ml - litres • multiply and divide numbers by 10 and 100 using 3-digit numbers • use mental and written strategies to multiply and	Humanities Sustainability focus Continuing our focus on Botswana and Swansea. The children will look at Compare weather and climate, access to water, wildlife and natural resources. Compare the presence of water in both countries. Learn about traditions, food and daily life in Botswana Discuss how communities care for the environment now and in the past e.g. Swansea recycling/beach clean initiatives, Botswana – water conservation and wildlife protection. Design their own eco-city that takes into account environmental factors. Fairtrade • Exploring how human decision in one country can have impact in another • Understand the actions of the West and how they have impacted other cultures • Further understand the difference between wants Vs needs and their impacts Hunting Tourism • Understanding why people make certain	Expressive Arts Digital Media As part of our Literacy focus on persuasive writing, the children will have the opportunity to create their own advert for our school using i-movie. Art The children will have an opportunity to explore and design patterns influences by African art. Use music or drama to tell a story about protecting the Earth. Make African instruments from recycled materials. Explore rhythms and songs from Botswana.	Animals Classification – plants, animals Basic food chains in different ecosystems - producer, consumer, carnivore, herbivore. Explore how climate affects plants, animals and people. Investigate how water is collected and saved in Botswana. How water is treated and reused in Swansea. • Water filtration – sand, gravel, cloth Complete a sustainability audit of the school • Energy use • Plastic use • Recycling DCF – crate a digital table of results photos and videos of experiments

		divide 2-digit numbers by a single-digit numbers Written strategies to divide 2 digit numbers using known times tables facts. • find fractional quantities using known table facts, e.g. 1⁄6 of 30cm • recognise fractions that are several parts of a whole, e.g. 2⁄3 , 3⁄10 • order fractions of known times tables • double and halve 3-digit numbers in the context of number, money and measures • tell the time to the nearest minute on analogue clocks • read hours and minutes on a 24-hour digital clock • time and order events in seconds • use calendars to plan events • calculate start times, finish times and durations using 5-minute intervals • convert between 12- and 24-hour clock times • estimate the number of minutes everyday activities take to complete • measure on a ruler to the nearest mm and record using a mix of units, *e.g. 1cm 3mm*	lifestyle choices and respecting, not judging those differences • Independently be able to categorise facts, beliefs and opinions and justify their choices		