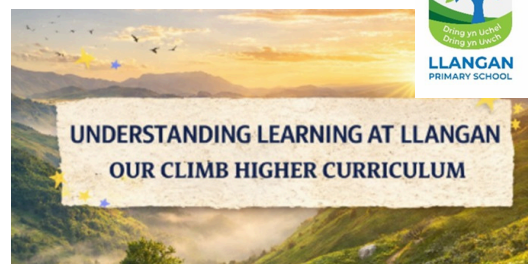


At Llangan Primary School, our curriculum is carefully designed to help children become curious thinkers, confident learners and independent problem-solvers. This Spring Term, learning across the school will once again be driven by our Climb Higher Curriculum (Dring yn Uchel, Dring yn Uwch), which places inquiry, creativity and challenge at the heart of everything we do.



Understanding the two documents include:

To help you see how learning unfolds in practice, you will receive two linked documents for your child's class:

1. The Curriculum Overview

This document shows what your child will be learning across all Areas of Learning and Experience (e.g. language, maths, science & technology, expressive arts, humanities, health & wellbeing). It outlines key skills, experiences and subject knowledge planned for the term, helping you understand the breadth and balance of learning.



2. The Inquiry Storyboard

The storyboard explains how learning develops over time through our shared Inquiry Journey. It shows the stages pupils move through as their thinking deepens and becomes more sophisticated. For example, in Nursery this might involve designing and testing puppets, while in Year 6 pupils may be engineering and evaluating aircraft prototypes

What is our curriculum about?

Our curriculum is inquiry-led. Each term, pupils explore a big question that gives learning purpose and meaning. These questions encourage children to wonder, investigate, test ideas, make connections and reflect — much like real scientists, historians, engineers and artists do.

Rather than simply learning isolated facts, pupils are supported to:

- think deeply and ask questions,
- make sense of new learning,
- apply their knowledge creatively,
- and take increasing ownership of their learning.

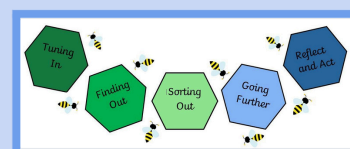
This approach builds cognitive challenge, strengthens thinking skills, and supports children to become independent and resilient learners.



Our Curriculum Journey

All classes follow the same inquiry structure, adapted appropriately for age and stage:

- Jump In – an exciting hook to spark curiosity and motivation
- Find Out – learning new knowledge and skills
- Sort Out – making sense of learning and identifying patterns
- Go Further – applying learning creatively and independently
- Reflect and Act – reviewing learning, purpose and impact
- Jump Out – sharing and celebrating learning with others



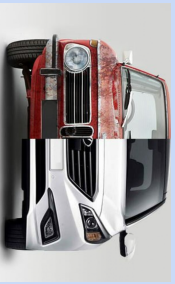
This structure ensures learning is carefully sequenced, progressively challenging, and rooted in purposeful outcomes.

We believe children learn best when they are actively involved, intellectually challenged, trusted to think for themselves and supported to reflect and improve. Through inquiry learning, pupils develop strong thinking and problem-solving skills, growing in independence, confidence, creativity and collaboration. Careful planning by staff ensures that every child is supported and challenged, while still allowing space for pupil voice, curiosity and creativity to flourish. We hope these documents give you a clear picture of what learning looks like at Llangan and why we are so proud of our curriculum. As always, we value working in partnership with you to support your child's learning journey. More information can be found here: [Llangan Primary School - Curriculum](#)

Essential Questions

How has car design evolved?
What are the environmental impacts of petrol/diesel cars vs electric vehicles?
What can coding control on vehicles?

A Journey through time!



Why am I learning this?

To set our learning into context, overviewing the evolution of vehicles from traditional combustion engines to electric vehicles. To explore how different cultures have approached transportation. As Ethically Informed Citizens, we will learn to respect diversity and highlight global contributions to sustainable practices.

My experience as a learner

- I will:
- **Timeline Creation:** Pupils can create a visual timeline showcasing the development of vehicles, highlighting key inventions and milestones.
 - **Research Projects:** Passion Projects
 - **Guest Speakers:** Inviting local engineers to discuss the evolution of transportation can provide real-world context and inspire pupils.

Energy Gladiators!



Why am I learning this?

To explore the differences between renewable and non-renewable energy sources. Pupils to then make informed decisions about energy consumption and sustainability.

As healthy, confident individuals, the pupils will develop critical problem-solving skills as they consider solutions to energy-related issues.

My experience as a learner

- I will:
- **Debate Sessions:** Organising debates on the advantages and disadvantages of renewable versus non-renewable energy can enhance communication skills and confidence.
 - **Hands-On Experiments:** Coding micro:bits to power motors
 - **Educational visits :** Aston Martin and Sony

Crunching Numbers



Why am I learning this?

Pupils to collaborate by analysing data related to electric vehicles, such as efficiency ratings and environmental impact in a real-world context.

By understanding the data behind electric vehicles enables pupils to make informed choices about transportation options and their environmental implications.

My experience as a learner

- I will:
- **Data Analysis Projects:** Pupils can work with real data sets related to electric vehicle performance.
 - **Graph Creation:** Creating graphs to represent EV data
 - **Math Challenges:** Incorporating math challenges related to energy consumption and costs of electric vehicles can make learning fun and engaging.

The Big Debate!



Why am I learning this?

Pupils will engage in debates about the future of electric vehicles encourages pupils to articulate their thoughts and listen to differing opinions respectfully.

By understanding the implications of transportation choices on climate change and pollution, pupils will develop creative solutions to potential problems.

My experience as a learner

- **Structured Debates:** Facilitating structured debates on the future of EVs
- **Role-Playing:** Assigning roles (e.g., environmentalist, engineer, consumer) to show an understanding of various perspectives.

Presenting the Future!



Why am I learning this?

To share learning with an audience, pupils will develop their ambition by creating presentations about electric vehicles to express their creativity and showcase their understanding of the topic. This process encourages pupils to develop organisational and presentation skills, which are valuable in many areas of life.

My experience as a learner

- I will:
- **Present:** Design posters, models, or digital presentations to showcase their understanding of electric vehicles and their benefits.
 - **Develop our time-management:** Organise an exhibition to present their projects.

Year 4 and 5 – Spring Inquiry

Why are electric vehicles shaping our future?

LLC

As part of our inquiry we will be focusing on a range of text types that include:

- o Instruction writing
- o Narrative
- o Explanation
- o – Brochure
- o Debate
- o Formal Letter to MP



Maths

We will be looking at:

- Measurement
- Fractions
- Decimals
- Time
- Statistics

LLC - Cymraeg

We will be learning about different types of illnesses and how to keep our bodies healthy. We will then explore the vocabulary for our favourite TV shows.

Science

We will be investigating forces. We will be looking at air and water resistance and how each effect different vehicles. We will be looking into variables to make sure that we conduct fair tests. Our big investigation will explore whether a car spoiler impacts how far it will travel.

Expressive Arts

During this inquiry, we will be focusing on developing our music skills by exploring how music is created for films and digital worlds. Using *GarageBand*, we will compose and edit original pieces of music inspired by the *Tron: Legacy* soundtrack. We will experiment with electronic sounds, loops, layers, rhythm, and structure to create music that reflects mood, atmosphere, and futuristic themes.



French

In French, we will be learning the different vocabulary linked to the items we can find in our classroom and homes.

Health & Wellbeing

Health and Wellbeing

During this term, we will be exploring a range of coping mechanisms and explaining why different strategies work for different situations. We will also be looking at the importance of regulating our emotions and communicating our needs to others in a respectful way.

PE

Our PE days will continue to be on a Tuesday where we will be learning about ball skills and

Home Learning

Weekly:

- Reading
- Spelling assignments – Edshed
- Mathematics

Fortnightly:

- Learning Log

Humanities

We will be researching the geographical locations of car manufacturers around the world and thinking about the impact that petrol and diesel cars have on our environment and whether EV cars will help our world.

Inquiry Overview

During this inquiry, we will be focusing on the evolution of cars, from early mechanical vehicles to modern, aerodynamic and technology driven cars. We will investigate the environmental impact of petrol and diesel cars compared to electric vehicles and explore how coding is used to control features in modern cars.

