



## Llangewydd Junior School – Ysgol Iau Llangewydd Year 4 - What will we be learning about this half term?



Our Science and Technology-driven topic this half term is 'Fizz! Bang! Wallop!'. We hope to cover as much of the content, skills and experiences shown below as possible but this may change as Pupil Voice leads our learning into other areas.

### Languages, Literacy and Communication

- Instructional writing – making cupcakes (irreversible changes).
- Persuasive Writing – an advert for a local nature site e.g. Bryngarw Park, Margam Park.
- Narrative writing – writing a story continuation linked to George's Marvellous Medicine.
- Poetry – a list poem linked to Christmas.
- **Welsh** reading – 'Y Blwch Hud' story.
- **Welsh** role play / writing – Mynd i'r Meddyg / Going to see the doctor.

### Mathematics and Numeracy

- Place Value.
- Doubling and halving numbers.
- Multiplying numbers by 10, 100 and 1000.
- Using mental and written strategies when adding, subtracting, multiplying and dividing.
- Capacity and volume (linked to potions).
- Measuring in litres and millilitres.
- Money – profit, loss and budgeting.
- 3D shape nets.
- Time – in PE circuits and Science experiments

### Science and Technology

- States of matter – solids, liquids and gases.
- Changing states – freezing, dissolving, melting, burning.
- reversible and irreversible changes.
- Science investigation – how water temperature affects rate of dissolving.
- Design and make a product to sell at Christmas fete. Adobe Express to advertise.
- Use of spreadsheets to calculate expenses / profit / loss.
- Critically analyse claims of health adverts.

Our **Four Purposes** inform all our learning:

- ambitious, capable learners
- enterprising, creative contributors
- ethical, informed citizens
- healthv. confident individuals



### Autumn Term 2025

#### Year 4

#### Fizz! Bang! Wallop! (Science and Tech. bias)

Cross-curricular Responsibilities inform all our learning:

#### Literacy, Numeracy and Digital Competency

### Expressive Arts

- Looking at different packaging / designs for different purposes and audiences.
- Planning, designing, creating and evaluating their enterprise product (labels, packaging, product design, advert)
- Create an advert for their mini-enterprise products.

### Humanities



### Health and Well-being

- Investigate medicines and drugs – safe and harmful.
- Impact of influencers – thinking about trusting sources and the reliability of information.
- PE exercise circuits – planning own circuits using a variety of equipment and skills.
- **RVE** – Christmas.
- School Values.



## Visitors and Visits:

Mad Science – Bubbling Potions  
Workshop  
Cefn Glas Pharmacist  
Bryngarw Park or Margam Park



## What my child can do:

- Let us know what they would like to learn about within the topic.
- Complete any homework tasks set by their teacher.
- Bring into school any interesting items linked to our topic.
- **Read regularly – their Bug Club book, their class and school library books but also real-life texts e.g. menus, leaflets, adverts...**
- Practise their times tables – Revisit the x2, x5 and x10 times tables but also learn their target times table.
- Spend some time at home using any of the interventions they use at school i.e. Reading Eggs (some children) and Mathletics (all children).
- Practise handwriting – letter and number formation.
- Learn to tell the time (5 minute intervals) on analogue and digital clocks.
- Do activities that support their well-being e.g. eat well, sleep well, rest well.



## Our Fabulous Finish celebration event:

Selling of Fizz! Bang! Wallop! products at  
Christmas Fete.  
(date to be confirmed)



## What can I do to support my child's learning?

- Listen to your child reading regularly for short, sharp periods of time (avoid making reading a chore) – their Bug Club book, their class and school library books but also real-life texts e.g. menus, leaflets, adverts, emails...
  - Support your child with any homework tasks set by their teacher.
  - Help your child to learn their times tables – Revisit the x2, x5 and x10 times tables but also learn their target times table.
  - Encourage your child to use at home any of the interventions they use at school i.e. Reading Eggs (some children) and Mathletics (all children).
  - Join/visit your local library.
  - Discuss the time in your everyday lives on analogue and digital clocks.
  - Ensure that your child does activities that support their well-being e.g. eating well, sleeping well, resting well.
  - Spend quality time with your child simply talking to them, enjoying family experiences, playing games...
- Provide any enriching experiences you can e.g. visits to the theatre, museums, events, spend time at the beach....

