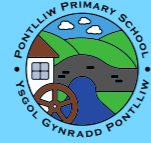


## Year 5

### Big Question – How do forces affect us?

#### Trip / Visit – Llangrannog



Planting the seeds for a lifetime of growth!  
Plannu hadau I dyfu am oes

#### Entry Point Activity:

Balloon powered cars

#### Exit Point Activity:

Enterprise Event

#### Special Events and Celebrations

- 1) Llangrannog
- 2) Summer Trip
- 3) National Tests
- 4) Enterprise Project

Key  
CCN - Cross-curricular Numeracy  
CCL - Cross-curricular Literacy  
DC - Digital Competence  
CC - Cwricwlwm Cymreig / Cynefin

#### Mini Question 1 – What are forces?

##### Science and Technology

- How do different forces affect our world?
- Which surfaces create more friction? CCL
- How is gravity measured? CCN
- What are the effects of water resistance? CCN
- How does air resistance affect different parachutes?
- What effect do mechanisms have on forces?

##### Humanities

- Who discovered gravity and how? CCL

##### Mathematics and Numeracy

- Gathering data on balloon-powered cars. CCN

##### Health and Well-being

- JIGSAW- Changing me.
- Rounders/ Obstacle Course

#### Language, Literacy and Communication

##### Oracy

- Travelling Fairs – Hot seating characters from the past (CCL)
- Flipgrid Speaking and listening – interview fair goers
- Group activity for assessment
- Enterprise Presentations

##### Reading

- Asking questions about a text and finding answers as the text progresses.
- Full tilt – Neal Shusterman (CCL)
- Blooms Taxonomy Questioning
- Comprehension tasks

##### Writing

- Narrative- Setting descriptions and fantasy stories.
- Persuasive Posters- linked to Enterprise Project
- Investigation write up – Instructions/ Explanation (CCL)
- Discussion – living near a theme park (CCL)

##### Welsh Language Development

- Oracy Activities: Group assessment about theme park
- Past Tense writing – Llangrannog

#### Mini Question 2: How are theme parks run?

##### Science and Technology

- How are different theme parks marketed? CCL
- Creating a theme park on Minecraft. DC

##### Expressive Arts

- Green screen – Roller coaster simulation DC
- What forms of advertising do theme parks use? CCL

##### Humanities

- Where in Wales, the UK and the world are the biggest theme parks? CC
- When was the first theme park opened? CCL
- What were early rides like? CCL
- When was the first rollercoaster built? CCL

##### Mathematics and Numeracy

- What costs are involved in running a theme park? CCN
- Theme park based ratio questions CCN
- Finding averages based on database CCN

##### Health and Well-being

- Booking a family day out and wages CCN
- JIGSAW- Changing me.

#### Mathematics and Numeracy

- Properties of 2D and 3D shapes.
- Data Handling
- Mean, Median, Mode, Range
- Decimals and Rounding.
- Problem Solving and Reasoning.

##### Cross Curricular

- Perimeter and area – Theme Park Project (CCN)
- 

##### Enterprise:

- Estimation (CCN)
- Budgeting (CCN)
- Profit and Loss (CCN)
- Multiplication (CCN)

##### Other

- Revision of concepts for National Tests
- Mental Maths Tests
- Sumdog
- Problem Solving
- Independent times table practise

#### Mini Question 3: Enterprise Project

##### Science and Technology

- How are spreadsheets used in budgeting? CCN

##### Expressive Arts

- Product design and making
- Persuasive Posters
- Logo design
- Film- marketing techniques e.g. adverts

##### Humanities

- Where would be a good location for a theme park? DC

##### Mathematics and Numeracy

- Data collection- tally and bar charts for public opinions

##### Health and Well-being

- JIGSAW- Changing me.
- Preparing for transition.
- Group roles and team building (enterprise).

#### EPIC Planning;

To view our EPIC planning please follow the Padlet link below.

<https://padlet.com/fowlerh28/how-do-forces-affect-us-wmsdy0qhqlgmk796>

*“Anything is possible. Anything can be.”*