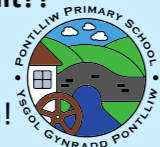


Year Group - 4

Big Question: Why do we push ourselves to the limit??

Trip / Visit – Cardiff Museum / Outdoor pursuits

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



RESPECT CARE COMMUNITY

Entry Point Activity:

Investigate how different types of mountains are formed.

Exit Point Activity:

Exploding volcanoes!

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

Special Events and Celebrations

- 1)
- 2)
- 3)
- 4)

Mini Question 1: What makes a mountain?

Science and Technology

- Introduction to changing state (solids, liquids and gases) focus on reversible and irreversible changes.
- Brief discovery of The Water Cycle

Expressive Arts

- Listen to "Night on a Bare Mountain" and/or "In the Hall of the Mountain King"
- Compose Mountain inspired soundscapes
- Research Welsh landscape artist – Chris Neale
- Paint mountain landscapes

Humanities

- What is a mountain and how are they formed?
- Where in the world are there mountain ranges?
- What are the tallest mountains in each country / continent?
- What are the tallest mountains in Wales? Where are they?

Health and Well-being

- Why do people push themselves to climb mountains?
- Bat and Ball games – (kick) rounders

EPIC:

Why are mountains so steep? Why do people choose to climb mountains? Why are some mountains covered in snow when the ground is bare? Who was the first person to climb Everest? Are mountains formed below the ground and how deep?

Mini Question 2: Why do people choose to live near to volcanoes?

Expressive Arts

- Compose a 'fire dance' based on The Firework Maker's Daughter
- How do film makers film in extreme temperatures?

Humanities

- Where is the Ring of Fire?
- Where are there some famous volcanoes?
- What is the largest volcano in the world?
- What makes a volcano? (Cross section)
- What is a volcanic eruption like?
- Historical volcanic disasters – Pompeii (and more recent events)
- What is a glacier? Why have glaciers been melting in recent times?
- Do any religions hold mountains or volcanoes sacred?

Health and Well-being

- Benchball league
- Queen's Jubilee??

Science and Technology

- Measure and compare rainfall in mountain locations

EPIC:

How does a volcanic eruption occur? How do volcanoes erupt underwater? How are volcanoes formed? Do some volcanoes never erupt? How is lava formed? Does lava come from the Earth's core? What famous volcanic eruptions are there? Can volcanoes be useful? Which volcanoes erupt most often?

Language, Literacy and Communication

Oracy

- Discuss the pros and cons of various recycling, clean energy schemes and other ways to prevent or reduce global warming.
- Paired discussion – book review of "The Firework Maker's Daughter".

Reading

- The Firework Maker's Daughter – Philip Pullman
- The Race to the Frozen North
- Mountain Adventure stories
- Texts around global warming and recycling
- Diary entries (supporting writing of recount)

Writing

- Explanation text – how do volcanic eruptions occur.
- Narrative recount – a diary entry of an expedition up a mountain (could be historical) OR Recount of a trip (if we are able to go)
- Science investigation write-up

Welsh Language Development

- Reading from IWB/Big Books – Babs a Benja, Wales on the map etc...
- Oracy – daily drilling sessions, describing simple activities in past tense
- Writing – recount writing of a simple activity.
- Pod yr Antur (CHECK!) continuation through the scheme

Mathematics and Numeracy

Week 1: Recap time (and move on to fractions)

Week 2: Practice assessments / familiarisation (look at the problem solving)

Week 3: ASSESSMENT WEEK

Week 4: Interpret data in charts

Week 5: Collect data and display in charts

Week 6: Work with money (addition and subtraction to 2dp)

Week 7: Measuring volume in practical ways, including to solve problems

Week 8: Recognise (and sketch) 2D and 3D shapes, sorting using own criteria

Week 9: Measuring and drawing lines to nearest mm / recognising and drawing parallel and perpendicular lines

Week 10: Identifying lines of symmetry and drawing reflections

Week 11: Using one and two step function machines across all 4 operations

Week 12: Extended problem solving week

Notes: RICH TASK – recap multiplying and dividing by 1000 when scaling mountains.

Mental Maths Tests – Start the term with Section 3.

Mini Question 3: What is the most extreme extreme sport?

Humanities

- Who were the first people to scale Mount Everest / K2 / Kilimanjaro etc...?
- Where in the world do different extreme sports take place?

Health and Well-being

- Benchball League continued
- Fundraising – Virtual Bike ride from Pontlliw to Liverpool

Science and Technology

- INVESTIGATION – changing state – which objects or materials melt the quickest or slowest?
- How do people compete in different climates – snow, sand, rock, water?
- What technology is used in extreme sports? Planes, rockets, skis, cars etc...
- How has e-tech changed extreme sport?
- What is drone racing?

Expressive Arts

- How does (extreme) sport impact art?

EPIC:

Who was the first person to climb the Seven Summits? Why do people choose to climb mountains if it's dangerous? Is mountain climbing part of the Olympics? How do people survive when climbing dangerous mountains? How do people sleep when they are in the middle of climbing a mountain? Has anyone climbed any dangerous volcanoes?

Mini Question 4: How can we push ourselves?

Health and Well-being

- SRE – changes in relationships, including babies
- Target setting for year 5 and beyond – what would I like to achieve?
- Can we set our own records?!

Science and Technology

- Basic forces introduction – what is air resistance? What is gravity?

Expressive Arts

- Create a short play or freeze-frame photo story of a volcanic eruption in Pompeii.
- SONGWRITING DOCTOR VISIT TO SCHOOL

Humanities

- Who is Greta Thunberg? Why is she so important and why is she making such an effort to reduce the impact of climate change?

EPIC:

What is the deepest dive anyone has ever done in the sea? What is the furthest anyone has ever run? What are ultra-marathons? What races are run on mountains? How do Formula 1 drivers train and prepare?

"A ship in port is safe...but that's not what ships are built for."