



Split term topic: Copperopolis! & Transition

Year 6 Summer Term



"Learn, have fun and reach for the stars"

Language, Literacy & Communication

Text stimuli: Eloise Williams 'The Curio Collectors', Paul Fleischman 'The Matchbox Diary'. Transition exploration text focus: Charli Howard 'Splash'

Narrative writing: Opportunities to respond creatively to class texts, as well as through 'Free Writing Friday' - with an emphasis on writing for pleasure.

Discussion writing: Language development through Pie Corbett Talk4Writing approach with opportunities to orally rehearse, participate in 'shared writing' and independently innovate and apply skills in context.

Poetry analysis and writing: Opportunities to read and respond to a range of poetry. Pupils will also write in a variety of poetic forms (e.g. Free verse, Haiku, acrostic, limerick, cinquain).

Spelling and grammar: Alan Peat sentence level work, weekly spelling tests and research into etymology and morphology of words and how languages connect us.

Reading: Language comprehension work focusing on grammar and syntax, inferencing, vocabulary, text structure, and comprehension monitoring techniques.

Oracy: Presentations to the class, group discussions, collaborative work and questioning.

Welsh - Slot Drillio - led by Helpwr Heddiwr
Speaking in conversation
Writing in first and third person.
Reading Welsh texts and developing comprehension skills.

International language - Basic conversational Spanish

Mathematics & Numeracy

Number and place value - 7 digit numbers, 3 decimal places, negative numbers, rounding
Continued revision of the four operations and inverse operation
Fractions, decimals, percentages
Algebra
Ratio and proportion
Statistics - pie charts and conversion graphs
Calculating mean, median and mode
Powers and roots - Square and cube numbers, square roots
Geometry - revision of 2D and 3D shape, rotations, transformations and rotational symmetry, position and direction (co-ordinates in four quadrants)
Area, volume, perimeter
Circumference and area of circles
Angles - calculate and draw using a protractor
Binary numbers, Fibonacci sequences and Pythagoras' theorem
Money - linked to Hendrefest enterprise project - budget, spend, profit and loss
BIDMAS
Reasoning and problem solving using RUCSAC - developing systematic processes
Mental maths, TT Rockstars

Science & Technology

Science:
How copper is made - processes - mining, smelting, and production. How copper goes from rock to wire!
Conductors, electricity
Properties of copper - e.g. resistance to corrosion, malleability, thermal and electrical conductor
Exploring how matter can change state
Elements, compounds and mixtures

Technology:
Hendrefest design project - using prototyping as a link between design and making
Selecting and using appropriate tools, equipment and appropriate materials
Following safety rules
Plan, make, evaluate cyclical process

Expressive Arts

Art:
Copper art
Art Exhibition focus for Hendrefest
People who have left an artistic legacy - transition project
3D making

Music and dance:
Evolution of music and dance
Performance for Hendrefest
Leavers Ceremony performance

Film & Digital Media:
Pupils to create digital adverts for the Hendrefest and for their enterprise stalls, using iMovie and stop motion animation

Humanities

Swansea's role in copper development 1810
Morfa Copper Works and Hafod Works
Industrial Revolution
Tawe Valley
Slavery and Copper
'Copper bottoming'
Decline 1891
Looking at sources - primary and secondary sources
Compare and contrast changes over time
Map work - local studies and changes and growth
Rivers - features of rivers and their role in Swansea's industry
Economic advantages of Swansea for copper development - cheaper to bring ore to the coal. Mouth of Tawe providing safe harbour
Ideal conditions for smelting
Profit and suffering - detrimental effects on health (slag, furnace ash, smoke, consumption, Tuberculosis, etc).
Copper Trading Game - inequalities in trade and labour

RVE: Slavery and inequalities. Justice and fair treatment

Health & Wellbeing

SEAL - Going for goals
Year 7 transition work and topic work
Making and maintaining relationships, identifying and resolving conflict, influences from groups on values
CHAT visits
Llain Activity Centre residential trip - outdoor adventurous activities: High ropes, climbing wall, archery, nature walk, bush craft, fire starting, kayaking, mud run, orienteering, team games and challenges
Puberty and hygiene
Growth mindset/ mindfulness
Summer sports - athletics, rounders, cricket, tennis
Sports Day
Walk to School Week