

Science-Properties and changes of materials



Important vocabulary–

Material, property, transparency, magnetism, thermal insulation, thermal conduction, insulator, conductor, dissolve, soluble, insoluble, solution, separate, filter, sieve.

Compare & group together everyday materials based on their properties, including hardness, transparency, magnetism, ability to conduct heat & electricity. Suggest materials for a given purpose.

Explain the process of dissolving & describe how to recover a substance from a solution.

Separate a variety of mixtures. Explain reversible & irreversible reactions.

The Victorians-Dark Age or Golden Age?



Key texts this term:

Tom's Midnight Garden-Philippa Pearce

Street Child-Berlie Doherty

Holes-Louis Sachar

Religious Education

Religion & The Individual

What is expected of a person in following a religion or belief

What does it mean to be a follower?

What does following a religion mean?

What did Jesus teach & tell people to do?

What is prayer?

History-Key dates & events

1819-Queen Victoria born.

1825-First public railway opened.

1838-Queen Victoria crowned.

1851-Great Exhibition.

1870-Every child aged 5-10 has to go to school.

1876-Telephone invented.

1885-First motor car

1901-Queen Victoria dies.

Famous people and places

Queen Victoria

Florence Nightingale

Charles Dickens

Isambard Kingdom Brunel

George & Robert Stephenson

English-Narrative & recounts (diary entries)

Tom's Midnight Garden-narrative (description)

Use of senses to describe scene, use of adjectives, similes, metaphors & personification. Use of prepositions to start sentences. Use of varying sentence length & type for impact.

Street Child (diary entry)

Descriptive writing inside a workhouse, features of diary entry, use brackets for extra information, use of coordinating conjunctions to join ideas, use of homophones, write diary entry in role.

Holes(setting description)

Use of senses, use of descriptive techniques (adjectives, similes, metaphors, personification) understand how character's perspective affects the description, use of show not tell.

Maths– White Rose

Place Value.

Roman numerals to 1,000, numbers to 10,000, 100,000, 1,000,000, powers of 10, 10, 100, 1,000, 10,000, 100,000 more or less, partition numbers to 1,000,000, numberine to 1,000,000, compare & order numbers to 100,000 & 1,000,000, round to nearest 10, 100 or 1,000, round within 100,000, round within 1,000,000. End of unit assessment.

Addition & subtraction

Mental strategies, add whole numbers with more than 4 digits, subtract whole numbers with more than 4 digits, round to check answers, inverse operations, multi step addition & subtraction problems, compare calculations, find missing numbers. End of unit assessment.

Multiplication & division (A)

Multiples & common multiples, factors, common factors, prime numbers, square numbers, cube numbers, multiply by 10, 100, 1,000, divide by 10, 100, 1,000, multiples of 10, 100, 1,000. End of unit assessment.