English including Grammar

Classic Text: Treasure Island (read aloud, think aloud)

Explanations

Children will analyse the features of explanations texts and produce their own based upon surviving on a deserted island/mountain.

Diary entries:

Children will explore real life diary entries and journals from survivors stranded in deserted places. They will write their own diary entries chronicling the experiences and struggles faced when surviving.

Poetry: Children write a poem based on a different model, using similes and other devices to create imagery.

Science

FORCES

Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.

Identify the effects if air resistance, water resistance and friction, that act between moving surfaces.

Recognize that some mechanisms, including levers, pulleys and gears, allow smaller force to have a greater effect.

ICT and Computing

Unit of Work: What is a computer?

Children will delve into what makes a computer a computer! Children will learn what defines a computer as well as what is inside.

Year:5
Spring 1
Survivor

Richardson Dees Primary School

PE

Invasion games: tag rugby

Art & DT

Mountain sculptures. Raft and Den building

Music

Unit: Garage Band Music

Spanish

Conversational Spanish

RE and PSHCE

Dreams and Goals

Digital Citizenships: Strong Passwords

Mathematics including Arithmetic

Number and Place Value

Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000

Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero

Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000

Solve number problems and practical problems that involve all of the above

Subtraction

Subtract whole numbers with more than 4 digits, including using formal written methods (columnar subtraction)

Subtract numbers mentally with increasingly large numbers

Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy

Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

Measurement

Convert between different units of metric measure (for example kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)

Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints

Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres

Calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm^2) and square metres (m^2) and estimate the area of irregular shapes

History & Geography

Mountains

Case study: The Lake District

Map work: use maps, atlases, globes and digital mapping

Use 4 and 6 digit grid references to locate places

Identify topographic features of places