Year 5 Autumn overview

English

> RWI Spelling

> Rose Blance

by Roberto Innocent

    Diary and Bravery Award Speech

> A Story Like the Wind

by Gill Lewis

    Flashback narrative

    Newspaper report

Maths

> Place Value

    Roman numerals
    Numbers to 1,000,000
    Compare and order numbers
    Round numbers to 1,000,000

> Addition and Subtraction

    Mental strategies
    + /—numbers with more than 4 digits.
    Inverse operations
    Multi step problems

> Multiplication and Division

    Multiples
    Factors
    Prime numbers
    Square and cube numbers
    Multiply and divide by 10, 100 & 1000

> Fractions

    Equivalent fractions
    Convert fractions to mixed numbers and improper fractions
    Compare and order fractions

Science

Forces

    Gravity and the life and work of Isaac Newton

    The connection between air resistance and parachutes

    Factors which affect an object's ability to resist water

    The effects of friction on different surfaces

    Mechanisms – levers and pulleys

    Mechanisms – gears

Earth and Space

    The solar system and its planets

    The heliocentric model of the solar system

    The Earth's movement in space

    The Earth's rotation and night and day

    The movement of the Moon

History

> Were the Vikings raiders,
   traders or settlers?

when and why the Vikings came to Britain.

Evaluate the validity of a source

Explore the features of Viking long boats.

Examine why trading was important to the Vikings.

Extract and interpret information from many sources.

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Geography

> Why does population change?

The change and distribution of the global population.

Birth and death rates and describe why they change.

The push and pull factors influencing migration.

The impact climate change can have on the global population.

Collect data showing how population impacts the amount of traffic and litter in an area.

A report on the fieldwork process,

analyse findings and make suggestions to improve a situation.

Computing

> Coding

Coding Efficiently

Friction and Functions

Introducing Strings

User Input

> Online Safety

Message on a game

Online behaviour

Screen time

>Spread sheets

Exploring Probability

Creating a Computational Model

planning a School Event

PSHRE

> VIPs

The importance of respecting my VIPs
Different ways to calm down when I am feeling angry or upset.
Different opinions that should be respected
Negative influences on my behaviour and suggest ways that I can resist these Influences
when it is right to keep a secret, when it is not and who to talk to about this

> Safety first

Taking responsibility for my own safety
How to assess and manage risks in different situations
How to identify and manage pressure to get involved in risky situations.
Act sensibly and responsibly in an emergency
Identify hazards and reduce risks to keep myself and others safe at home.
How to stay safe in different outdoor environments

Design Technology

> Viking Brooch

Use detail when creating a design.
Use a range of equipment to create detail.
Use joining techniques.
Work clay.

Art

> Banksy

Interpret art work and what it represents.
Use stencils to create an effect.
Use equipment with precision.
Use different media.

PE

> Indoor athletics

Hurdle
Long jump
Shot put

> Invasion games

Football
Netball
Ultimate frisbee

> Swimming

RE

> Kingdom of God

What influences and inspires local Christians to use their talents/gifts
Make links to Bible texts that may Inspire them.
Suggest a number of meanings for parables about the Kingdom of God.
Compare & contrast the good news of the kingdom

>Incarnation

Describe why Christians say Jesus is the 'Son of God'; the 'Christ' and both 'God and man'.
Identify ways in which Christians believe the Old Testament prophecies speak about Jesus.
Suggest lines of enquiry and plan investi-

MFL

> Talking about us/School subjects

>Time in the city

Y6

>Revisiting me/ Telling the time/ Everyday life

> Homes and houses