**REACH for the stars**





**WELLESBOURE PRIMARY**

**AND NURSERY SCHOOL**

**Autumn Term Curriculum Overview - Year 5**

**English**

**We follow the Read to Write Scheme which is a text based approach to develop writing. These are the books we will be covering this term.**

**Where Once We Stood**

Narrative: Exploration Narrative

Purpose: To tell a story

Recount: Formal Report

Purpose: To write about something that happened, formally

Pupils are encouraged to read widely and often.

**Mathematics**

**Number - place value**

Pupils will read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit. They will count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000, interpret negative numbers in context, round any number up to 1 000 000. They will solve number problems and practical problems.

Pupils will gain an understanding of h ow to read Roman numerals to 1000 (M) and recognise years written in Roman numerals.

**Number- Addition & subtraction**

Pupils will add and subtract whole numbers with more than 4 digits, they will add and subtract numbers mentally with increasingly large numbers. Pupils will use rounding to check answers to calculations and solve addition and subtraction multi-step problems in contexts.

**Statistics**

Pupils will solve comparison, sum and difference problems using information presented in a line graph and complete, read and interpret information in tables, including timetables.

**Number- Multiplication & division**

Pupils will identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers. They will know and use the vocabulary of prime numbers, prime factors and composite (nonprime) numbers. They will establish whether a number up to 100 is prime and recall prime numbers up to 19, recognise and use square numbers and cube numbers, and the notation for squared ( 2 ) and cubed (3 ) and multiply and divide whole numbers and those involving decimals by 10, 100 and 1000

**Measurement- Perimeter & Area**

Pupils will measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres and calculate and compare the area of rectangles (including squares) and estimate the area of irregular shapes.

**Science**

**PROPERTIES AND CHANGES OF MATERIALS**

Pupils will gain an understanding of what makes materials different and how they can be changed. They will investigate solids, liquids and gases, what changes stay the same and which can be changed back (reversible).

**FORCES IN ACTION**

Pupils will gain an understanding of why unsupported objects fall to Earth. They will learn about gravity, the effects of air resistance and friction and recognize that some mechanisms allow a smaller force to have a greater effect.

**History**

**THE ACHIEVEMENTS OF EARLY CIVILIZATIONS**

**What did the civilizations of Ancient Sumer, Indus valley, Shang Dynasty and Ancient Egypt have in common and what were the achievements of the Ancient Egyptians?**

Pupils will gain an understanding of and compare Ancient Civilizations: Ancient Sumer, Indus Valley, Ancient Egypt and Shang Dynasty. They will know about Egyptian boats and their links as good traders – Hatshepsut’s mission to Punt. Gift of the Nile: the Egyptian agricultural calendar and how the Egyptians used the River Nile for irrigation purposes and other uses. They will learn about the pyramids as a source of evidence to draw conclusions about the beliefs and achievements of the Ancient Egyptians. Know about Polytheistic religion and why Akhenaten was so hated.

**Geography**

**HUMAN AND PHYSICAL GEOGRAPHY**

**Tectonic plates shape the Earth**

Pupils will gain an understanding that tectonic plates have formed the earth to develop additional features: volcanoes, mountains and earthquakes. They will study mountains, volcanoes and the impact of earthquakes and volcanoes in the world.

**Computing**

**COMPUTING SYSTEMS - Sharing Information**

Pupils will develop a deeper understanding of the opportunities computer systems, including the internet, offer for communication and collaboration.

**ESAFETY - True or False**

Pupils will develop a further understanding of how to use technology safely and a range of ways to report concerns about content and contact.

**Religious Education**

**BELIEVING**

**Why do some people believe**

**God exists?**

Pupils will explore Christian

understanding of what God is like,

using examples and evidence

**What would Jesus do?**

Pupils will explore Jesus’ teaching

on how his followers should live.

**Music**

**HANDSIGNS - Kodaly method**

Pupils will be looking at all the hand signs in the scale from Do-Do' using songs to embed and practise these

**SINGING – mash ups**

Pupils will use their voices expressively and creatively by singing songs and speaking chants and rhymes.

**Art and design**

**PAINTING / PRINTING**

**Emoji prints- Romero Britto**

Pupils will further improve their mastery of painting and printing.

They will use sketch books to record observations and review and revisit ideas. They will study the artist Romera Britto.

**Physical Education**

**BASKETBALL**

Pupils continue to develop a broad range of skills. They learn how to communicate and collaborate by playing competitive games and apply attacking and defending skills. Travel with a ball showing changes of speed and directions using either foo or hand.

**DANCE**

Pupils gain an understanding of how to perform dance using a range of movement patterns. Evaluate their own performance and comment on improvements. Explore ideas for different dance styles.

**SWIMMING**

Pupils will further develop the ability to swim confidently over a distance of at least 25 metres. They will use a range of strokes.

**Personal, Social, Health and Economical Education**

**FAMILIES AND FRIENDSHIPS**

Managing friendships and peer influence

**SAFE RELATIONSHIPS**

Physical contact and feeling safe

**RESPECTING OURSELVES AND OTHERS**

Responding respectfully to a wide range of people; recognising prejudice and discrimination

**Design and technology**

**STRUCTURES AND MECHANISMS**

**Lighthouse Keepers lunch, exploring pulleys and gears.**

Pupils will develop the ability to understand and use mechanical systems and their products.

**MODERN FOREIGN LANGUAGES – Spanish**

Pupils will gain the ability to ask, answer and write questions about time and clothing. They will recall colours and colour adjectives.

