Year 5: Autumn

GEOGRAPHY

Compare and contrast the different countries of the United Kingdom.

Locate the UK's counties and cities.
Identify the main physical characteristics of the UK.
Explain how human activities have affected the UK's landscape.Identify Sunderland on a map of the UK and identify human and physical features.Research Herrington Park and discover what the land was used for in the past.
Describe and explain the sorts of industries in which people in the UK work. Identify the different types of energy sources used in the UK.
Research and evaluate the advantages and disadvantages of wind energy.

KEY VOCAB: Physical vocabulary Biomes settlements Economic activity natural resources

HISTORY

Ancient Egypt

Our learning will cover the following key questions:

Who built the Great Pyramid at Giza? Why did they build the pyramids? What was inside? Why was trade so important for the Egyptians? Why did Hatshepsut send an expedition to Punt? What did Akhenaten do that made him so hated? What happened to Akhenaten's successors?

KEY VOCAB: Pharaoh, River Nile, trade, terrain, scarab, papyrus, scribe, amulet, Canopic jar, sarcophagus, tomb, afterlife, hieroglyphics,

ART ~ *Sculpture - Canopic Jars*

3D sculpture – be able to manipulate materials referencing a design and applying sculpture skills. Children will develop their sketchbooks to investigate and study sculpture. They will use clay to produce pots using the coil or pinch pot method. Children will critique and evaluate their own work and that of others.

D&T ~ *Structures and mechanisms*

The children will be taking part in the Young Engineers Project that will involve constructing Meccano models that will be judged for a regional competition in October.

Spanish *This is taught by a Spanish specialist teacher.*
The children will be learning more about the geography and climate of Spain; we will practise numbers, including bigger numbers to understand and say in which year people were born and currency.

ENGLISH

Reading - Pupils will work on the graphic novel Marcy and the Riddle of the Sphinx and Charlotte's Web by EB White. They will concentrate on vocabulary and retrieval work as well as inference to gain a deeper understanding of the text. They will be encouraged to read aloud and independently.

Writing - Pupils will produce a range of fiction and non-fiction texts that have been carefully planned as well as self and peer edited. Children will cover appropriate grammar conventions that they will be able to apply to their written texts.

Handwriting – Pupils develop a consistently joined and fluent style.

MATHS

Place value ~ Read and write numbers within 100,000 and know the value of each digit. Round numbers up to 100,000. Understand decimals to 2 decimal places. Recognise and describe linear number sequences. Interpret negative numbers in context. Count forward and backwards across zero. Read Roman numerals to 1000.
Addition and subtraction ~ Derive and recall what must be added to any 4 digit number to make the next multiple of 1000. Add and subtract numbers mentally. Add and subtract numbers with more than 4 digits using formal written methods. Use rounding to check answers. Solve multi-step word problems.
Multiplication and division ~ Develop a range of mental strategies to multiply and divide. Multiply a 4 digit number by a one digit number using short multiplication. Multiply a 4 digit number by a 2 digit number using long multiplication. Divide a 4 digit number by a 1 digit number using short division. Solve multi-step problems using all 4 operations.

Data ~ Interpret time graphs. Complete information in tables, including timetables.

R.E.

Christianity

We will be exploring the questions:
What does it mean if Christians believe God is holy and loving?
Why do Christians believe Jesus was the Messiah ? This will include an in depth look at Christian beliefs and how these are put into practice.

MUSIC

Focus 1 - : Sea shanties, beat, rhythm, chords, bass, dot notation.

Focus 2 - To learn to play the ukulele. Focus on rhythm, chords, plucking and strumming.

P.E.

1 . Learn the skills associated with tag rugby and play competitive games in a Y5 tournament.
2. To take part in swimming lessons and learn to swim 25 m unaided.
3. Basketball – develop teamwork, coordination, agility and ball-handling skills.
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PSHE

Relationships

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.

SCIENCE

Living things and their habitats/ Animals including humans.

What do humans look like? Do all animal embryos look the same? How do humans change? Why do humans change? What is a life cycle? What types of life cycles are there? Are life cycles the same? What causes puberty? What changes do we go through during puberty? Are there any patterns between vertebrate animals and their gestation periods?Do plants reproduce in the same ways as us?
How do plants spread their seeds?

KEY SCIENTISTS: David Attenborough James Brodie KEY VOCAB: Foetus, Embryo, Womb, Gestation, Baby, Toddler, Teenager, Elderly, Growth, Development, Puberty, Hormone, Physical, Emotional, Sexual, Asexual.
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