Year 4: Knowledge Organiser: Autumn Term: Countries Around The World.

Key Book this term:

Local visitors: possibility of inviting a panel of guests to take part in a questions and answers session about local buildings, leading into the children planning and running a campaign to save a particular building. The Big Finish: children to consolidate their learning into a big piece of creative work, illustrating what makes a building special. Their work will be exhibited and is a chance to share their learning with the school, family and friends.

Try at home and add to Seesaw

Big Finishers:
Pupils will :
Mathematics- A Place Value Game..
Geography- Children will open a travel agency in the classroom that others tours around the World with a visit to a different country for every Continent.
History- A Roman Experience day
English- Class dragon storybook

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Guided Reading: The Iron Man
Key Skills/knowledge:
√ make predictions about a text
√ look at the meaning of new vocabulary the author has used
√ retrieve information from a text- be detectives and find the answers in the writing
√ answer inference questions- deciding what the author is trying to tell us.

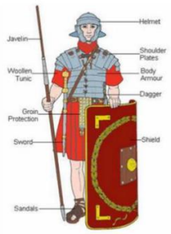
Key Vocabulary: predict, summarise, retrieve, interpret.

Can you predict how we will make Chocolate in the future?

Spot the difference

- List all the ways these two animals are the same
- List all the ways they are different.

Geography: Countries Around The World.
Key Skills/knowledge:
Which countries are in which continents?
• What are some major capital cities around the world?
• What are time zones and how do they work?
• What are the different climate zones around the world?
• What are the hottest and coldest countries in the world, and why?
• What are some of the key human and physical features of different countries around the world?
• How is the human and physical geography of different countries similar to and different from the UK?
Vocabulary: continent, country, city, capital city, Equator, Prime Meridian, time zone, human geography, physical geography.



What facts can you research about Roman Britain?

Science
Topic: Sound All Around Us.
Key Skills/knowledge:
√ Good Vibrations
√ Hearing Sounds
√ Higher and Lower
√ Soundproofing
√ Making Music
Key Vocabulary:
Vibrate, vibration, sound, volume, pitch, high, low, loud, quiet, insulation, source, speaker,
Topic: Teeth and The Digestive System.
Key Skills/knowledge:
√ name and classify teeth
√ Understand the function of human and animal teeth
√ Know how to take care of your teeth
√Name the parts of the digestive system and their functions.
Key Vocabulary:
Molar, incisor, canine, premolar, enamel, decay.
Dissection, mouth, oesophagus, stomach, small intestine. large intestine, anus, nutrients, energy.

History: Roman Britain
Key Skills/knowledge:
√ develop a chronologically secure knowledge and understanding of British history
√ address historically valid questions about change, cause and significance
√ construct informed responses that involve the thoughtful selection and organisation of historical information
√ understand how our knowledge of the past is constructed from a range of sources
√ note connections, contrasts and trends over time and develop the appropriate use of historical terms
√ address and devise historically valid questions about similarity and difference
Key Vocabulary: Invade, invasion, conquer, republic, empire, emperor, status, glory, barbaric, legacy, resistance, primary evidence, interpretations, conquer, client kings, centurion, tablet, Picts, heritage, forts, garrisons, camber, groma, impact, transport system, positive, negative, significant, representation, interpretation, legions, legionaries, auxiliaries, testudo, centurion, names of uniform and equipment

What and where is this?.

Listen to "I've been everywhere- Jonny Cash
https://www.youtube.com/watch?v=ov4epAJRPMw

PSHE/RSE:
Twinkl: Health and Wellbeing.
Key Vocabulary: health • wellbeing • physical health • mental health • emotions • balanced diet • exercise • hygiene • sleep • relaxation • resilience • self-esteem • confidence • choices • consequences • safe • boundaries • support • trusted adult • self-care.
Twinkl : • understand the importance of sleep, exercise and healthy eating.

Computing: Programming
Key Skills/knowledge:
√Repetition in games by creating a program using count-controlled loops building a project based on the pupil's own design.
Key Vocabulary: programming, algorithms, debug, code.

French Mon Corps
Key Skills/knowledge:
Use correct French words for 'the' Le, La, les
Use adjectives to describe character, Grand, petite, timid, drote, bravard.
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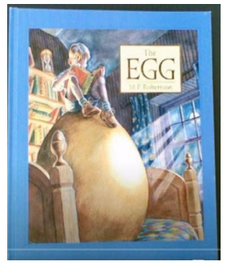
Physical Education: Invasion games/ Gym Challenge
Key Skills/knowledge:
√ Developing motor skills
√ Movement patterns
√ Use strategic Knowledge Invasion sports

Religious Education: **Key Skills/knowledge:**
Inspiring Christians To Serve Others
√Links between Jesus Teaching about being salt and light.
Use the right religious words.
Express what I understand about Christian beliefs.
Ask questions about who we are and where we belong.
Ask and answer questions about having a mission in life.
Ask questions about decisions I and other people make.

Key Vocabulary: Jesus, The Bible, sacrifice, saviour, God's love.

Research the story of Christmas.

Listen to and sing along to "Yellow Submarine by the Beatles



https://www.youtube.com/watch?v=A2S8qlepW-c

English: Reading

Challenge: Read ten books : five fiction books from different genres and five non-fiction books and write book reviews for each one.

- Secure decoding of unfamiliar words
- Read for a range of purposes
- Retell some stories orally
- Discuss words & phrases that capture the imagination
- Identify themes & conventions
- Retrieve & record information
- Make inferences & justify predictions
- Recognise a variety of forms of poetry
- Identify & summarise ideas

Mathematics:

Practice times tables facts 2 to 12 and their related division facts.

Addition and Subtraction
Addition, subtraction, equals, column method , place holder, value, estimate, approximate, multi-step problem, efficient, exchange, sum, inverse operations.

Numbers To 10,000
Ones, tens, hundreds, thousands, place value, digit, more than, less than, part, whole, partition, sequence, order.

Review Addition and Subtraction
- Identify the addends and the sum in column addition.
- Use knowledge of place value knowledge to correctly lay out column addition.
- Add a pair of 2-digit numbers using column addition.
- Use knowledge of column addition to solve problems.
- Add a pair of 2-digit numbers with regrouping in the ones column.
- Add a pair of 2-digit numbers with regrouping in the tens column.
- Use known facts and strategies to calculate and check column addition.
- Use their knowledge of column addition to solve problems.
- Repeat for subtraction.

Numbers To 10,000
- Pupils explain how many tens, hundreds and ones 1,000 is composed of
- Pupils use knowledge of 1,000 to explain common measure conversions
- Pupils use knowledge of 1,000 to solve problems
- Pupils use different strategies to add multiples of 100
- Pupils use different strategies to subtract multiples of 100
- Pupils use knowledge of calculation and common measure conversions to solve problems
- Pupils compose and decompose four-digit numbers in different ways

Art: Painting

Pupils will look at the work of Van Gogh and Georgia O'Keefe. Making colour tints using primary colours and white.
Key Vocabulary:
Ready mix paint , powder paint, watercolour paint, inking-up,

Design and Technology: Bulletin Board

Children will learn how to program a microbit, join wood to make a frame, understand the use of a billboard.
Key Vocabulary:
Microbit, programming, forever, infinite, iterative, pause, blocks, user, purpose, function, product.

Practice telling the time on a clock or watch

Music: Mama Mia
Key Skills/knowledge:
√ Sing in unison
√ Clap to a rhythm
√ Sing in two-parts
√ Will be able to play on glockenspiel notes: A, B, C and G

Key Vocabulary: Backing, chorus, Harmony, Improvise, Melody, Pop music, style, Unison, Rhythm .

What facts can you remember about the Romans? How many facts can you write down?

English Writing

- Correctly spell common homophones
- Increase regularity of handwriting
- Plan writing based on familiar forms
- Organise writing into paragraphs
- Use simple organisational devices
- Proof-read for spelling & punctuation errors
- Evaluate own and others' writing
- Read own writing aloud

Can you write some sentences using conjunctions- when, if, that, because, and, or, but.

Spag: Using and understanding the terminology-

- Use well chosen adjectives for description
- Use Powerful verbs and adverbs to describe movement.
- Use wider range of conjunctions
- Use perfect tense appropriately
- Select pronouns and nouns for clarity
- Use & punctuate direct speech

- **An adjective is a type of word that describes a noun and gives additional detail to the noun being described, for example, 'red,' 'cold,' or 'difficult.**
- **Powerful verbs are action words that are descriptive and exciting.**
- ***An adverb* is simply a word that describes a verb (an action or a doing word). • He ate his breakfast quickly. The word 'quickly' is an adverb as it tells us how he ate (the verb) his breakfast.**
- Conjunction- **a word used to connect clauses or sentences or to coordinate words in the same clause (e.g. *and*, *but*, *if*).**
- Nouns and pronouns-**A noun identifies a person, animal or thing. Pronouns are words like he, she, yourself, mine, who, this and someone.**
- *Direct speech*-**Put simply, direct speech is a sentence where the exact words that are spoken are written in speech marks, quotation marks, or inverted commas.**