

Year 4: Knowledge Organiser: Autumn Term: Rivers and The Water Cycle

Key Book this term:



Local visitors: possibility of inviting a panel of guests to take part in a guestion and answer 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











Spot the difference

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

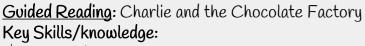






Learning Gems





√ make predictions about a text

 $\sqrt{\mathsf{look}}$ at the meaning of new vocabulary the author has used

 $\sqrt{}$ retrieve information from a text- be detectives and find the answers in the writing

 $\sqrt{\text{answer inference questions}}$, where we have to make our own decisions about whet the author is trying to tell us

Key Vocabulary: predict, summarise, retrieve, interpret.



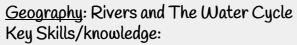
Can you predict how we will make Chocolate in the future?

History: Roman Britain Key Skills/knowledge:

√ develop a chronologically secure knowledge and understanding of British history

- $\sqrt{}$ address historically valid questions about change, cause and significance
- √ construct informed responses that involve the thoughtful selection and organisation of historical information
- $\sqrt{\text{understand how our knowledge of the past is constructed}}$ from a range of sources
- $\sqrt{}$ 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



 $\sqrt{\text{name}}$ and locate some of the UK's and the world's most significant rivers and mountain environments

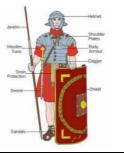
 $\sqrt{\text{learn about the features of a named river (the River)}}$

Thames) in the UK, from source to mouth √ learn how rivers and mountains are formed

identify some of the processes associated with rivers

 $\sqrt{}$ understand where rivers and mountains fit into the water

Key Vocabulary: River, stream, valley, mountain, hill, water cycle, flow, infiltration, percolation, source, mouth, estuary, sea, terrain, tributary, confluence, meander





What facts can you research about Roman Britain?



Listen to "I've been everywhere- Jonny Cash

https://www.youtube.com/watch?v=ov4epAJRPMw

What and where is this?.



PSHE/RSE:

Jiasaw: Being Me In My World

Becoming a Class team

Key Vocabulary: Role, Voting, Included, Community,

Democracy, Excluded.

Jigsaw: Celebrating Difference

Judging By Appearances, Understanding Influences,

Celebrating Differences.

Key Vocabulary: Character, Assumption, Judgement, Surprised, Different, Appearance, Accept

Big Finishers:

Pupils will:

Mathematics - A Place Value Game..

Geography- Children will build a large model of The Water Cycle and A River in the playground. A Travel agents to visit Rivers of The World Tours.

History- A Roman Experience day

Visits:

A Trip To Colchester Castle.

Science: Teeth and The Digestive System.

Key Skills/knowledge:

 $\sqrt{\text{name}}$ and classify teeth

√ Understand the function of human and animal teeth

 $\sqrt{\text{Know how to take care of your teeth}}$

√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.

Science: 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, guiet, insulation, source, speaker,

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.

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

 $\sqrt{\mathsf{Links}}$ 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.



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

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

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.

Arts and Design Technology:

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

inking-up, yarn, thread, stitches, material.

Design and Technology

Make a cushion Cover;

Children will learn how stitches can be used to ioin material and how to add decoration.



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

 $\sqrt{\text{Will}}$ be able to play on glockenspiel notes: A, B, C and G

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



Can you write some sentences using

conjunctions - when, if, that, because, and, or,

A2S8glepW-c

Challenge: Read ten books:

five fiction books from

different genres and five

non-fiction books and write

book reviews for each one.

· Increase regularity of handwriting

Plan writing based on familiar forms

Use simple organisational devices

Evaluate own and others' writing

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: Reading

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

https://www.youtube.com/watch?v= English Writing

- · Correctly spell common homophones
- Organise writing into paragraphs
- Proof-read for spelling & punctuation errors
- Read own writing aloud

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 <u>clauses</u> 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.