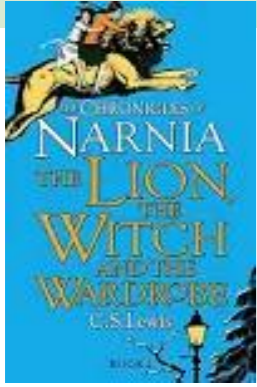


# Year 4: Knowledge Organiser: Spring Term: Earthquakes and Volcanoes/ Crime and Punishment

## Key Book this term:



Local visitors: possibility of inviting a panel of guests to take part in a question and answer session about school punishments when they were at school. The Big Finish: children to consolidate their learning into a big piece of creative work they build a mini museum to show the history line of Crime and Punishment, they will present a tour of their museum to others. 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



Which are the 10 largest Earthquakes and Volcano eruptions in the World?



### Geography: Volcanoes.

#### Key Skills/knowledge:

- ✓ To understand what a volcano is and locate some.
- To understand what tectonic plates are and what the Ring Of Fire is
- To explore how volcanoes are formed
- To explore life in volcanic areas.
- To compare a volcanic area to a non-volcanic area.

**Key Vocabulary:** crust mantle tectonic plates, plate boundary, divergent plates, convergent plates, volcano, erupt, magma, lava, extinct, dormant, active, shield volcano, composite volcano.



Where in the World is this volcano?

### Big Finishers:

- Pupils will :
- Mathematics- Produce a Calculation Methods Guide for an Alien.
  - Geography- A leaflet to visit the Volcano sites of the World/ Build a working model of a volcano.
  - History- Experience a Day In The Life Of an Anglo-Saxon, living in a round house.

### Visits:

The children will visit West Stow in January.

### Science: Changing States

#### Key Skills/knowledge:

- ✓ states of matter Materials can be one of three states: solids, liquids or gases. Some materials can change from one state to another and back again.

#### Key Vocabulary:

- Solid
- Solidify
- Liquid
- Gas
- Melt
- Freeze
- Evaporation
- Condensation

### Computing: Coding and Scratch.

#### Key Skills/knowledge:

- ✓ With support, children can understand and explain conditional statements and use if...then and if...then...else blocks in code.

**Key Vocabulary:** programming, algorithms, debug, code.

### Guided Reading: The Lion, the Witch and the Wardrobe.

#### 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, where we have to make our own decisions about what the author is trying to tell us

**Key Vocabulary:** predict, summarise, retrieve, interpret.



Can you predict how we will use iron and other metals in the future?

### History:

#### Key Skills/knowledge:

- To know how we learn about the past.
- To find out about Anglo-Saxon migration.
- To find out who the Picts and Scots were and where they lived.
- To use a range of artefacts to find out about Anglo-Saxon life.
- To explore Anglo-Saxon society and culture.
- To know about Paganism and the spread of Christianity in Britain.
- To use historic evidence to draw a conclusion of who is buried at Soton Hoo.

**Key Vocabulary:** Archaeologist, artefact, invader, settler, migrate, kingdom, Anglo-Saxons, Picts, Scots, bias, Pagan, Christian, culture.



Listen to Songs Written by The Beatles.

Who is this and what did he do to change History?.



### PSHE/RSE:

**Jigsaw:** Dreams and Goals

Hopes and Dreams an coping with Broken Dreams.

**Key Vocabulary:** Positive experiences

Hopes ,Dreams, Disappointment, Hurt, Goals, Plans, Cope, Help, Resilience

**Jigsaw:** Healthy Me

My Friends and Me, Healthy Relationships and Healthy Life Choices.

**Key Vocabulary:** Believe

Assertive, Opinion, Right, Wrong



**Physical Education:** Ball Games

**Key Skills/knowledge:**

- ✓ Confidently demonstrate an improved technique for Ball Skills
- ✓ Continue to develop techniques to throw and catch for increased distance
- ✓ Modify their use of skills or techniques to achieve a better result

**Religious Education:** looking at the religions of Sikhism and Islam

**Key Skills/knowledge:**

- ✓ Inspirational People

- ✓ Muhammad the 'Seal of the Prophets'.

**Key Vocabulary:** Gurprub, Punjab, Kesh, rumala ,Vaisakhi, Amritsar Khanga, Nishan Sahib, gurdwara, Kara, ragi, guru, sewa, Kachera, langar, Punjabi.

**Mathematics:**

Practice times tables facts 2 to 12 and their related division facts. E.g  $7 \times 8 = ?$   $56 \div 7 = ?$



**Multiplication and Division B**

- I can calculate my 11 and 12 Times Tables
- I can multiply three numbers together.
- I can identify simple factor pairs
- I can use efficient mental multiplication methods
- I can use written multiplication methods
- I can multiply a two-digit number by a one-digit number
- I can multiply a three-digit number by a one-digit number
- I can divide a two-digit number by a one-digit number
- I can divide a three-digit number by a one digit number
- I can use multiplication to solve correspondence problems. (problems) .

**Fractions & Decimals**

- Understand the Whole.
- Count Beyond One
- Partition a Mixed Number
- Order Mixed Numbers.
- Understand Improper Fractions.

**Multiplication and Division**  
Multiply, Lots of, Groups of, Times, Product, Grid method, Tables, Multiples, Factor, Factor pairs, Inverse, Divide, Share

**Fractions and Decimals**

Fraction, Numerator Denominator, Equivalent fraction, Mixed number Improper fraction, Halves Thirds, Fourths Fifths, Unit fraction Fraction of a set of objects, Equal parts whole

**Art:**

**3D:** Pupils will look at the work of Howard Hodgkin and make a paper bowl in response to his work. The children will experiment with clay coils to make a 3D form (pot).

**Key Vocabulary:**

Layer, form, review, decoration, prime, cylinder, transfer, rolling, curves, coils, linear, inner, outer, spiral, base, vertical



Research the ceremony of Raksha Bandhan

Practice telling the time on a clock or watch



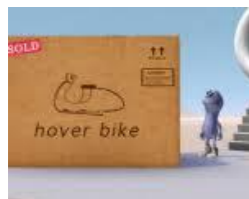
**Music: Guitars**

The children will continue with their lessons with Mr. Butcher to learn more notes on the guitar and to be able to read music.



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

<http://www.pocketmovies.net/download/hoverbike>



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

**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

**Spag: Using and understanding the terminology-**

- Use wider range of conjunctions
- Use perfect tense appropriately
- Select pronouns and nouns for clarity
- Use & punctuate direct speech
- Use commas after front adverbials

**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

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



- **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.
- **Fronted Adverbials-** A fronted adverbial includes words or phrases which add some extra information to a sentence. The adverbial words or phrases are placed at the start of the sentence and come before the verb.

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

