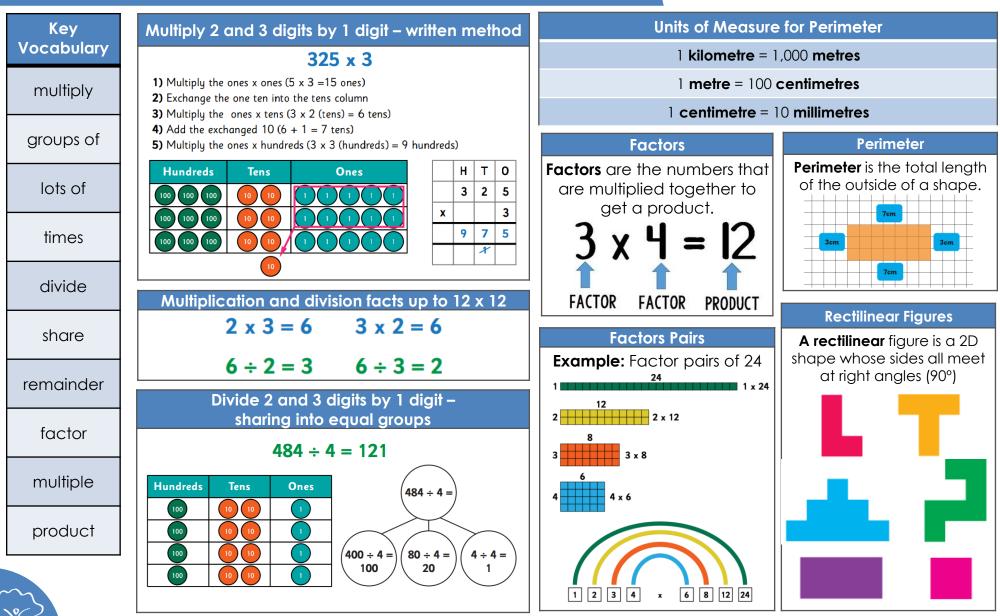
## Year 4 Maths Knowledge Organiser - Spring 1



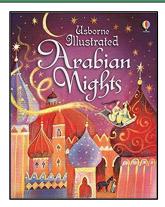


# Year 4 English Knowledge Organiser - Spring 1

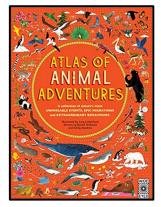


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#### **Core Texts**



### Usborne Illustrated Arabian Nights



Atlas of Animal Adventures Rachel Williams/ Emily Hawkins

#### Features of a Traditional Tale

- Traditional Tales are long-standing fairy stories, myths, legends and fables that are well-known in a particular culture, having been passed down for many generations.
- Introductions are a brief presentation of setting and character, sometimes using well-known story phrases such as 'once upon a time' or 'there was once'.
- Build up sections often contain a lot of dialogue as new characters are introduced and the tension builds, hinting at an imminent problem.
- The **climax of the tale usually contains fast-paced action and suspense**, revealing a major problem -often the threat of death.
- In **the resolution of the tale**, **tension falls** as the characters plot and take action to overcome the problem, typically encountering more minor problems along the way.
- Endings are concise and leave the reader content and relieved, often with a 'happy ever after' conclusion.

## Features of a Dual Purpose Narrative

Like David Attenborough's voiceovers, the pages of 'Atlas of Animal Adventures' are designed to both inform (through writing) and entertain (through images).

In line with the primary purpose of informing, the text uses **formal language** and an **impersonal viewpoint**. The text is written primarily in the present tense (as is often the case when writing to inform), giving the reader a sense that they are inside the pages of book, seeing and experiencing the creatures first-hand.

Facts are supported by **technical vocabulary**, statistical figures and informative detail.

Cohesion is built through the use of appropriate pronouns and synonyms for referencing, conjunctions to link related ideas, and adverbials to sequence material.

Precise vocabulary, **expanded noun phrases**, **adverbials** and **prepositional phrases** are used to provide the reader with vivid descriptive detail.

# Year 4 Science Knowledge Organiser - Spring 1



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| Key Vocabulary |   | States of Matter  |  |
|----------------|---|---|--|
| change         | To make different   | Gas Liquid Solid  |  |
| condensation   | The process in which a substance changes from a gas to a liquid         | <ul> <li>Gases are often invisible.</li> <li>Gases do not keep their<br/>shape or always take up<br/>the same amount of<br/>space. They spread out</li> <li>Liquids can flow or be<br/>poured easily. They are not<br/>easy to hold.</li> <li>Liquids can flow or be<br/>poured easily. They are not<br/>easy to hold.</li> <li>Solids stay in one place and<br/>you can hold them in your<br/>hand.</li> <li>Solids stay in one place and<br/>you can hold them in your<br/>hand.</li> <li>Solids keep their shape.<br/>They do not flow like liquids.</li> </ul>  |  |
| evaporation    | The process in which a<br>substance changes from a<br>liquid to a gas   | <ul> <li>and change their shape<br/>and volume to fill up<br/>whatever container they<br/>are in.</li> <li>Gases can be squashed.</li> <li< th=""></li<></ul> |  |
| freezing       | When a liquid turns into a solid  |   |  |
| melting        | A process by which solids<br>turn into liquids                          | Measuring Temperature     The Water Cycle       1) Place the  |  |
| particle       | The smallest parts of matter  | thermometer in the liquid.<br>2) Wait for the coloured<br>centre to stop moving.<br>thermometer in the liquid.<br>Clouds are blown  |  |
| precipitation  | Water falling to the Earth's<br>surface as rain, snow, sleet or<br>hail | 3) Read the scale precisely to find the temperature. Ask an   |  |
| temperature    | A measure of how hot or cold something is                               | adult for help if you are<br>struggling.<br>Remember: We usually  |  |
|                |   | measure temperature in<br>degrees Celsius which can<br>be shortened to °C.  |  |

# Year 4 History Knowledge Organiser - Spring 1



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| Key Vocabulary |   |  |
|----------------|---|--|
| caliph         | A successor to Muhammad and the spiritual and political leader of Muslims.  |  |
| caliphate      | The area that is led by a caliph.   |  |
| empire         | a large group of countries or places ruled by one person  |  |
| scholar        | An expert in a particular subject or field of study.  |  |
| significant    | something that is historically significant is<br>something that historians think is worth<br>studying and learning about. |  |

## Key Knowledge

- The Early Islamic Civilisation began with the **Prophet Mohammad** in 610. It became an **empire**, led by the **caliph**.
- The House of Wisdom was founded in the capital city of Baghdad.
   It was a library and meeting place for scholars of all backgrounds.
- Early Islamic scholars built on the ideas of other civilisations and made new developments. For example, Al Khwarizmi gave us the word 'algebra' and introduced the numbers 0-9 into Europe. Ibn Al-Haytham who proved that we see when light enters our eyes
- In 1258, a Mongol army attacked Baghdad. They killed scholars and threw books from the House of Wisdom into the river.

