



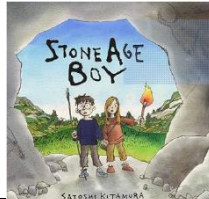
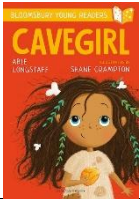
Year 3

Autumn Term

Reading stimulus

In English during the Autumn term, we shall be focusing on the book 'Cave Girl' by Abi Longstaff and Charlie and the Chocolate Factory by Roald Dahl. We will then move onto the book 'Stone Age Boy' by Satoshi Kitamura and the Polar Express by Chris Van Allsburg. The outcome of the term is for the pupils to create their own narrative, diary entry and setting descriptions. In addition, we will be using high-quality, challenging picture books to develop inference and character empathy, which will further inspire our creative writing.

Reading skills will be developed through our Read, Write Inc Phonics and comprehension sessions, which will allow in-depth, thorough discussions of our class texts and other texts linked to our focussed authors. The key focus for this term is developing fluency and pace.



Maths

In Mathematics, we will be developing skills across a range of areas: number, place value, and calculations including addition, subtraction, multiplication and division. We will have a strong emphasis on reasoning in Maths allowing the pupils to apply their mathematical knowledge to varying real life and problem solving situations.

Please see the end of this newsletter for more in-depth objectives for the year.

Please continue to encourage your child to secure all multiplication facts and the associated division facts.

Expectations for times tables for each year group:	
Year 1	Count in multiples of 2, 5 and 10. Recall and use all doubles to 10 and corresponding halves.
Year 2	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.
Year 3	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.

Science

In Science, children will discover the different types of rocks and how they are formed. Children will compare and group rocks based on appearance and simple properties, such as whether they occur naturally or they are man-made. They will learn how fossils are formed and learn about the contribution of Mary Anning to the field of palaeontology.

Following the October half term, Year 3 will focus on forces and magnets. This is a brilliant topic where we can investigate whether forces are a push or a pull. We will look at different types of forces, including gravity, air resistance, water resistance, surface resistance and magnetic forces.

Geography / History

In Geography, we will be learning about climates, what they are and why they are important. Children will learn about different states of matter, the water cycle, how clouds are formed and the causes and effects of flowing and water pollution.

In History, our topic will be 'The Rise of Man – Stone Age and Bronze - Iron Age'. We will be learning about the Stone Age and how it transitioned into the Iron Age. We will look at clothing, homes, diet and living throughout the Stone Age era.

R.E.

During the Autumn term, our Religious Education lessons will have two learning areas. We will start by learning about what is important to Muslims. After this, Year 3 will start to learn about Judaism. We will discover what it is like to be Jewish and how the religion of Judaism is practised.



Maths Overview Year 3 – Moorlands Primary School



Number: Number & Place Value

- count from 0 in multiples of 4, 8, 50 and 100
- find 10 or 100 more or less than a given number
- recognise the place value of each digit in a three-digit number (hundreds, tens, ones)
- compare and order numbers up to 1000
- identify, represent and estimate numbers using different representations
- read and write numbers up to 1000 in numerals and in words
- solve number problems and practical problems involving these ideas

Number: Multiplication & Division

- recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.
- write and calculate mathematical statements for multiplication and division using the multiplication tables that they know including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods
- solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects

Measurement

- convert between different units of metric measure (for measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml))
- measure the perimeter of simple 2-D shapes
- add and subtract amounts of money to give change, using both £ and p in practical contexts
- tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks
- estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minute and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon, midnight
- know the number of seconds in a minute and the number of days in each month, year and leap year
- compare durations of events (for example to calculate the time taken by particular events or tasks).

Number: Addition & Subtraction

Add and subtract numbers mentally including:

- a three-digit number and ones
- a three-digit number and tens
- a three-digit number and hundreds
- add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction
- estimate the answer to a calculation and use inverse operations to check answers
- solve problems, including missing number problems, using number facts, place value and more complex addition and subtraction

Number: Fractions

- count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10
- recognise and write fractions as numbers: unit fractions and non-unit fractions with small denominators
- recognise and show, using diagrams, equivalent fractions with small denominators
- add and subtract fractions with the same denominator within one whole (for example, $5/7 + 1/7 = 6/7$)
- compare and order unit fractions, and fractions with the same denominators
- solve problems that involve all of the above

Geometry: Properties of Shapes

- draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them
- recognise angles as a property of shape or a description of a turn
- identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle
- identify horizontal and vertical lines and pairs of perpendicular and parallel lines.

Statistics

- interpret and present data using bar charts, pictograms and tables
- solve one-step and two-step questions (for example, 'How many more?' and 'How many fewer?')
- use information presented in scaled bar charts and pictograms and tables