



Year 2

Mrs Williams - Teacher
Mrs Henry -Teaching Assistant
Mrs Price – Teaching Assistant

Autumn Term



Reading stimulus

This term we will be studying a variety of fiction and non-fiction texts related to our new topic. All children will use the Talk for Writing to help plan their writing. We will think about characters, settings and stories to help create our own stories, character and setting descriptions. To help order stories we will sequence pictures and add text. In addition, we will be using high-quality, challenging punctuation including capital letters, full stops, question marks and exclamation marks. We will also use adjectives, verbs, adverbials and similes.

Year 2 will continue to have daily phonics lessons in small groups according to their ability.

We will use our phonic knowledge to help aid spellings, complete daily reading activities and comprehension practice. Children will have access to fiction and non-fiction books in the class book corner.

Maths

In Mathematics we will be developing our number knowledge of place value with numbers to 100. We will find more/less than a number and to partition the numbers in order to understand place value. Our arithmetic skills will be developed to answer questions using addition and subtraction. We will look at answering problems using the above. The 2, 5, and 10 times table will also be taught.

Please see the objectives at the end of this newsletter for more detailed information about the mathematical objectives covered this year.

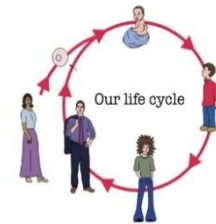
We will also use TTRockstars and Numbots on the computers to help with our Mathematics.

Please encourage your child to learn the 10, 5 and 2 times tables.

Science

In Science, we will be learning about animals including humans.

We will think about life cycles of humans and animals and record our findings using correct scientific language. All children will be aware of what we need to stay healthy, make healthy life style and diet choices and what we need to be alive. Hygiene and exercise will also be studied to ensure all children know the basic needs of humans and animals. Following this, we will be exploring properties of materials and completing experiments to test a variety of materials.



Geography / History

In Geography, children will be studying the seasons and the weather. We will look at the different forms of weather and the symbols. We will look at weather forecast and keep a daily record of the weather. The children will find out about the seasonal changes and weather around the world.

In History, children will be developing their knowledge about the seaside. We will compare the past and present and how it has changed over the years. Children will be introduced to a timeline to show changes over time.

R.E.

In R.E, the children will focus on how people celebrate and worship in different religions.

Harvest, Diwali and Christmas will be studied, looking at how people celebrate and why the festival is so important. Places of worship for different cultures and religions will be explored.

PSHE will be focusing on friendships, kindness and our school values. All of these help Year 2 to be a fabulous place to work.

Art

Art will be delivered from our brand new scheme from Kapow.

The first topic is: Craft and Design – Mapping it out.

Children will be creating own maps with different buildings, environments and roads. At times, children will work in pairs or small groups to complete an activity and this may be taught outside in the environment.

Design Technology

In Design and Technology, the children will be designing, making and evaluating a structure. They will study the shape and how structures can be kept strong. The children will use a variety of resources to test and choose the correct ones for the jobs. We will create a playground structure using the methods we have studied.

P.E.

PE sessions shall be on Tuesday afternoons with the Albion Foundation. Children will move in a variety of ways including: jogging, jumping, side galloping, hopping and skipping. Sending and receiving games will be played to help with throwing, catching and hand-eye co-ordination. Co-operation will be important which supports this term's school value.

Please can you ensure that PE kits are in school and all earrings and jewellery are removed for this session.

Thank you for your co-operation.

Music

Music will be delivered through a music scheme called Kapow. This explores songs, rhythms and keeping a steady beat. Percussion instruments will be used to enhance the learning and aid the performance.

Songs will be learned and performed for Harvest and Christmas. Children will be performing these for you throughout the term.

Computing

This term, Year 2 will be looking at technology and why it is important at school, home and in the world. Children will discuss the benefits of technology and how to keep safe whilst using it. Following this, pupils will be considering effective digital photography.

E-safety elements will be considered throughout the whole curriculum.

Jigsaw

Our Jigsaw sessions will look at ourselves – “Being in my world”. We study how we learn, co-operate with others and caring about themselves and others. Class discussions are important for children to share their ideas and thoughts.

The whole-school value for this term is Co-operation, thinking about working together, being a team and how we can help each other.

How to help at home

Please listen to your child read regularly and discuss the books. Books will be changed on a 3-day or 5-day programme depending on their reading level.

Maths

Regular short bursts on TTRockstars and Numbots will support your child's fluency and speed in recalling multiplication facts and fluency facts – logins will be sent out shortly.

We follow the medium term White Rose plan in lessons. If you wish to support the in-lesson learning, the following link provides daily video clips related to the learning methods.

<https://whiteroseeducation.com/parent-pupil-resources/maths/home-learning?year=year-2-new>

Maths Year 2 (v3 schemes) All FILTER

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	Number Place value VIEW			Number Addition and subtraction VIEW			Geometry Shape VIEW					
Spring term	Measurement Money		Number Multiplication and division			Measurement Length and height		Measurement Mass, capacity and temperature				

Thank you for your support. Mrs Williams





Maths Overview Year 2 – Moorlands Primary School



Number: Number & Place Value

- count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward
- recognise the place value of each digit in a two-digit number (tens, ones)
- identify, represent and estimate numbers using different representations, including the number line
- compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs
- read and write numbers to at least 100 in numerals and in words
- use place value and number facts to solve problems

Number: Multiplication & Division

- recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
- calculate mathematical statements for multiplication and division within the multiplication tables
- write them using the multiplication (\times), division (\div) and equals ($=$) signs
- show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot
- solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts

Measurement

- choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature ($^{\circ}\text{C}$); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels
- compare and order lengths, mass, volume/capacity and record the results using $>$, $<$ and $=$
- recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value
- find different combinations of coins that equal the same amounts of money
- solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change
- compare and sequence intervals of time
- tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times
- know the number of minutes in an hour and the number of hours in a day

Number: Addition & Subtraction

Solve problems with addition and subtraction:

- using concrete objects and pictorial representations, including those involving numbers, quantities and measures
- applying their increasing knowledge of mental and written methods
- recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100

Add and subtract numbers using concrete objects, pictorial representations, and mentally, including:

- a two-digit number and ones
- a two-digit number and tens
- two two-digit numbers
- adding three one-digit numbers
- show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot
- recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.

Number: Fractions

- recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$, and $\frac{3}{4}$ of a length, shape, set of objects or quantity
- write simple fractions for example, $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$

Geometry: Properties of Shapes

- identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line
- identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces

Geometry: Position and Direction

- order and arrange combinations of mathematical objects in patterns and sequences
- use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise)

Statistics

- interpret and construct simple pictograms, tally charts, block diagrams and simple tables
- ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity
- ask and answer questions about totalling and comparing categorical data.
- identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]
- compare and sort common 2-D and 3-D shapes and everyday objects