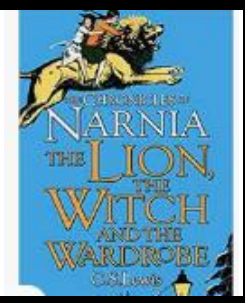
Moorlands Primary School – Curriculum Newsletter

Year 4	Autumn Term

English



This term we shall be shall be listening to and reading 'The Lion, the Witch and The Wardrobe' by CS Lewis. We will be studying punctuation including apostrophes, commas and inverted commas. We will increase our knowledge of grammar by learning about powerful adjectives, expanded noun phrases and adverbials. We will also be learning how to summarise stories and chapters and how to answer 'inference' reading comprehension questions. We will be creating characters for our own stories, and continuing to develop our vocabulary using a dictionary and a thesaurus.

Maths

We will be developing our knowledge and understanding of the number system by learning about rounding, comparing, ordering four digit numbers, extending to five. We will consider the value of each digit in a number and representing it in different ways. After, we will be learning how to add and subtract at least four digit numbers using the column method. We will solve word problems using skills learnt.

There will be a statutory times table test in June so please encourage your child to learn their times tables and related division facts at home; we will provide more information about this closer to the time.

The yearly mathematical objectives for Year 4 are attached to the end of this newsletter.

Science

In Science we will be focussing upon 'states of matter' which will include: identifying and grouping solids, liquids and gases; observing that some materials change state when heated or cooled and considering the part played by evaporation and condensation in the water cycle.
Throughout all science learning, there will be an emphasis on a fair investigation process.

Geography / History

This term in Geography we will be learning 'What are the Americas?' In History, we will be learning about Ancient Egypt including artefacts, famous rulers and buildings; these lessons will help develop pupil research skills.

R.E.

In R.E, we will consider what it is like to be a Hindu in Britain. Following this we will consider Sikh beliefs.

Art

Year 4 will be examining craft and design looking at Ancient Egyptian scrolls.

Design Technology

In Design and Technology, we will be considering seasonality, health and diet.

P.E.

Our PE sessions will be on Thursday afternoon and focuses on gymnastics. If your child wears earrings or any other jewellery, please could they be removed on this day.

Computing

Year 4 will be investigating digital devices, computer networks and how the internet works. Following this, pupils will consider how media is edited using a range of software. Throughout the whole curriculum, online safety is promoted.

Music

This term, we will be working with a teacher from Sandwell Youth Music to learn how to play the trumpet; this will include developing rhythm, musical notation understanding and musical vocabulary.

Jigsaw

In Jigsaw lessons we will be using the Jigsaw Programme to learn our rights and responsibilities as good school citizens. We will consider democracy and working as a team. Also, we will be celebrating the differences between us and encouraging tolerance and acceptance. Our first module is entitled 'Being Me' which celebrates uniqueness and promotes inclusion.
The whole-school value for this term in Co-operation.

MFL

In French pupils are learning to talk about their school and local area. Pupils will develop pronunciation and writing skills.

Homework

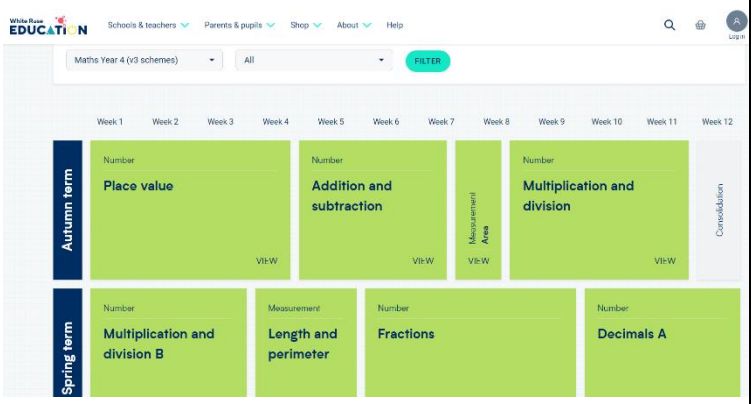
Reading

All children have a reading book which can be taken home. Please encourage your child to read, and change their book, regularly to develop reading fluency, word meaning and comprehension skills. Reading books can be changed in school on any day of the week. Remember to bring these books into school daily as there will be opportunities for independent reading during the school day.

Maths

Regular short bursts on TTRockstars will support your child's fluency and speed in recalling multiplication facts.

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.



Cross-curricular work/projects

The focus for learning in each subject is outlined in this newsletter. We would like the children to consolidate and extend their learning by researching and presenting information or by producing creative pieces of work linked to these areas. We are always keen to share these with others and to display pupils' work in our classroom to celebrate their effort and hard work. Examples might include:

Information posters	artwork	models	historical artefacts
mobiles	fact files	leaflets/booklets	poems
puzzles/games	homework help webpages		Powerpoint slide shows

Maths Overview Year 4 – Moorlands Primary School

Number: Number & Place Value

- Count in multiples of 6, 7, 9, 25, 1000
- Find 1000 more or less than a given number
- Count backwards through zero to include negative numbers
- Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, ones)
- Compare and order numbers beyond 1000
- Round any number to the nearest 10, 100 or 1000
- Solve number and practical problems that involve all of the above and with increasingly large positive numbers
- Read Roman numerals to 100 (I and C) and know that over time, the numeral system changed to include the concept of zero and place value

Number: Multiplication & Division

- Recall multiplication and division facts for multiplication tables up to 12 x 12
- Use place value, known and derived facts to multiply and divide mentally, including:
    - Multiplying by 0 and 1;
    - Dividing by 1;
    - Multiplying together three numbers.
- Recognise and use factor pairs and commutativity in mental calculations
- Multiply two-digit and three-digit numbers by a one-digit number using a formal written layout
- Solve problems involving multiplying and adding, including the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects and connected to m objects

Measurement

- Convert between different units of measure (for example, kilometre to metre; hour to minute)
- Measure and calculate the perimeter of rectilinear figure (including squares) in centimetres and metres
- find the area of rectilinear shapes by counting squares
- Estimate, compare and calculate different measures, including money in pounds and pence
- Read, write and convert time between analogue and digital 12- and 24-hour clocks
- Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days

Statistics

- Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs
- Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs

Number: Addition & Subtraction

- Add and subtract numbers with up to 4 digits using formal written methods of columnar addition and subtraction where appropriate
- Estimate and use inverse operations to check answers to a calculation
- Solve addition and subtraction two-step problems, deciding which operations and methods to use and why

Number: Fractions

- Count up and down in hundredths; recognise that hundredths arise from dividing tenths by 10
- Recognise and show, using diagrams, families of common equivalent fractions
- Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer in a whole number
- Add and subtract fractions with the same denominator
- Recognise and write decimal equivalents of any number of tenths or hundredths
- Recognise and write decimal equivalents to 1/4, 1/2, 3/4
- Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths
- Round decimals with one decimal place to the nearest whole number
- Compare numbers with the same number of decimal places up to two decimal places
- Solve simple measure and money problems involving fractions and decimals to two decimal places

Geometry: Properties of Shapes

- Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes
- Identify acute and obtuse angles and compare and order angles up to two right angles by size
- Identify lines of symmetry in 2-D shapes presented in different orientations
- Compare a simple symmetric figure with respect to a specific line of symmetry

Geometry: Position and Direction

- Describe positions on a 2-D grid as coordinates in the first quadrant
- Describe movements between positions as translations of a given unit to the left/right and up/down
- Plot specified points and draw side to complete a given polygon