

Mathematics – Number and Place Value

Number and place value

- Compare and order numbers from 0 up to 100 using $>$ $<$ and $=$ signs.
- Identify, represent and estimate numbers using different representations, including the number line.
- Read and write numbers to at least 100 in numerals and words.
- Count in tens from any number forward and back including crossing boundaries into hundreds.
- Count in steps of 2, 3 and 5 from 0 forward and backward.
- Understand the value of each digit in a 2 digit number.

Addition and subtraction

- Add and subtract numbers using concrete objects, pictorial representations and mentally including add 3 digit numbers, 2 digit number \pm 1 digit number, 2 digit number \pm 2 digit number.
- Show that addition of two numbers can be done in any order (commutative) and subtraction can't (not commutative).
- Add 10 or 100 to any number and can add in multiples of 10.
- Partition a number to add using number bonds to 10 e.g. $8 + 7$ is $8 + 2 + 5$.
- Recall and use numbers facts (addition and subtraction) to 20 fluently.
- Use related facts to subtract multiples of 10 and 100 e.g. $6 - 4 = 2$ $60 - 40 = 20$.
- Solve missing number problems for addition and subtraction with numbers up to 20.
- Use place value and number facts to solve problems including the inverse relationship between addition and subtraction.
- Solve simple word problems involving addition and subtraction with numbers up to 50 (in different contexts e.g. measures) using objects, pictures and mental/written methods across number.

Multiplication and division

- Read and write mathematical statements for multiplication and division using \times / \div and $=$ signs.
- Know that multiplication can be done in any order (commutative) and division can't (not commutative).
- Multiply using concrete objects, pictorial representations arrays and repeated addition.
- Divide using concrete objects, pictorial representations and arrays and repeated subtraction.
- Recall and use multiplication and division facts for 2, 5 and 10 times tables, including recognising odd and even numbers.
- Solve multiplication and division problems (in different contexts) using objects, pictures, arrays, repeated addition, mental methods and multiplication and division facts.

Statistics

- Interpret and construct simple pictograms and block diagrams tally charts and tables.
- Answer simple questions about quantities from looking at pictograms, tally charts, tables and block charts (scale of 1 or 2).

Mathematics – Geometry and Measures

Measures

- Compare and order measures and record using $<$ $>$ and $=$.
- Choose and use appropriate units of measure and estimate:
 - temperature ($^{\circ}\text{C}$) using thermometers
 - capacity (litres/ml) using jugs
 - weight and mass (kg/g) using scales
 - length and height in any direction (m/cm) using rulers
- Solve simple word problems involving addition and subtraction with numbers up to 50 (in different contexts e.g. measures) using objects, pictures and mental/written methods across number.
- Find different combinations of coins that equal the same amounts.
- Combine amounts to make a particular value e.g. make 3p using a 2p and 1p.
- Recognise and use symbols for £ and pence.
- Solve simple money problems involving addition and finding the change (£ or pence).
- Tell and write the time to 5 minutes, quarter past, quarter to the hour and draw the hands on a clock face to show these times.
- Compare and sequence intervals of time.
- Know how many hours there are in a day and how many minutes in an hour.

Shape

- Compare and sort common 2D and 3D shapes and everyday objects.
- Identify 2D shapes on the surface of 3D shapes e.g. a circle on a cylinder.
- Identify, describe and sort 3D shapes by talking about the number of faces, edges and vertices.
- Identify, describe and sort 2D shapes by naming them, talking about the number of sides and showing a vertical line of symmetry.

Position and movement

- Distinguish between rotation as a turn and in terms of right angles for quarter, half and three quarter turns clockwise and anti-clockwise.
- Use mathematical vocabulary to describe position, direction and movement including movement in a straight line.
- Order and arrange combinations of mathematical objects in patterns and sequences including those in different orientations.

Fractions

- Recognise, find and name a half as 1 of 2 equal parts of an object, shape or quantity.
- Count in halves and quarters up to 10 recognising that fractions are numbers between whole numbers
- Recognise the equivalence of $\frac{2}{4}$ to $\frac{1}{2}$.
- Recognise, find, name and write fractions $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity.



End of Year Expectations for Year 2



The following leaflet outlines the national expectations for children in Year 2 by the end of the academic year for reading, writing and mathematics. The expectations are from the National Curriculum. More information on the National Curriculum can be found [here](#).



Kilburn
Grange School
LEARN ENJOY SUCCEED

Reading

Comprehension

- Continue to build up a repertoire of poems learnt by heart.
- Participate in discussions about books, poems and other works that are read to them and those that he/she reads to themselves.
- Relate what is read to own experiences.
- Aware that books are set in different times and places.
- Make predictions based on reading of other books by the author and own experiences.
- Make choices about which texts to read, based on prior reading experience.
- Understand why a writer has written a text – ‘She wants you to know how to make a kite’.
- Find the answers to questions in non-fiction, stories and poems.
- Make simple inferences about thoughts and feelings of characters and reasons for their actions.
- Re-tell a story, referring to most of the key events and characters.
- Recognise key themes and ideas within a text.
- Decide how useful a non-fiction text is for the purpose.
- Identify and comment on vocabulary and literary features – ‘All fairy tales start with Once Upon a Time...’
- Identify how vocabulary choice affects meaning - ‘Crept lets you know that he is trying to be quiet’.
- Discuss favourite words and phrases.
- Discuss and clarify the meaning of words, linking new meanings to known vocabulary.

Phonics

- Read familiar words quickly, without needing to sound them out.
- Use a range of decoding strategies to read words.
- Self-correct when reading a sentence incorrectly.
- Read Year 2 common exception words e.g. all, old.
- Read words containing common suffixes e.g. -ment, -ful, -less, -ly.

Writing

Structure and Purpose

- Begin to use an appropriate opening and ending.
- The organisation reflects the purpose of own writing - a newspaper report has a headline, a by-line, an introduction and then a chronological recount of events.
- Think about the different styles needed for different types of writing.
- Begin to use appropriate language across different types of writing - e.g. story language, non-fiction.
- Know intended audience writing is written for.

Vocabulary, grammar and punctuation

- Use the present and past tenses correctly.
- Use apostrophes for contracted forms and the possessive (singular) form - the girl's book.
- Use full stops, capital letters, exclamation marks, question marks and commas for lists.
- Show evidence of using simple similes - it was as yellow as the sun.
- Use interesting adverbs to describe actions.
- Use interesting adjectives to describe people, objects and setting.
- Use simple connective (e.g. also, as well, because, but) to link ideas logically.
- Use connectives that signal time, e.g. then, after, before.

Spelling

- Add suffixes to spell longer words- e.g. -ment, -ful, -less, -ly.
- Spell the first 11 sets of homophones/near homophones (e.g. there/their/they're).
- Spell most of the common exception words for Year 2.
- Spell 10 words with contractions (it's, can't, won't, they're etc.).
- Use the possessive apostrophe for a singular person- the girl's book.



Handwriting

- Use spacing between words that reflects the size of the letters.
- Write capital and lower case letters of the correct size, orientation and relationship to one another.
- Understand which letters need to be joined in my writing.
- Form lowercase letters of the correct size, relative to one another.

Speaking and Listening

- Explain an idea or process clearly.
- Ask specific questions to help with understanding.
- Respond to questions and explain further to justify a point.
- Take turns to talk and respond in two-way conversations and groups.
- Use language and vocabulary suitable for different listeners e.g. friends, Headteacher.
- Check that listener understands what is said.
- Explore ideas by discussing them.

SAT's

SAT stands for Statutory Assessment Test. It assesses pupils' progress towards the national curriculum. Children will take the SAT's in May 2018. Children will take assessments in: Reading, Maths, Grammar, Punctuation and Spelling. More information will be available during the SAT's workshop.

