



CYCLES Learning Centre

Our Approach, Our Pride

Summer Booster Programme

Reception

Reception Maths

Children in Reception Summer Booster will review numbers 0-20 and how to work with them in basic calculations (addition and subtraction). They will practise counting by rote to 100 as well as counting in 2s, 5s and 10s. Your child will also practise to describe and recognise 2-D and compare them with 3-D shapes. They will review to speak about the location of objects, as well as form patterns and describe events in a chronological order.

Reception English

Children in Reception Summer Booster will review sounds and blends (Phonics: 3-letter words, 4-letter words and long vowels if mastered the short sounds). They will practise reading 'High Frequency' words.

In addition, children will practise writing;

- letter formation,
- word formation,
- and short sentences.

Some grammar will be taught in order for them to produce correct sentences.



Year 1

Year 1 Maths

You child will practise:

Number and place value

- Counting to 100 forwards and backwards
- Reading and writing numbers up to 100
- Reading and writing numbers up to 20 in words
- Counting on and back in twos, fives and tens
- Using a number line to put numbers in the correct order
- Recognising patterns in numbers
- Recognising odd and even numbers
- Estimating amounts of objects and then counting to check

Calculating

- Learning simple addition and subtraction
- Recognising mathematical words and symbols
- Money
- Learning which pairs of numbers add up to 10 and 20 (Number Bonds)
- Doubling and halving
- Working out multiplication and division questions using objects to group or share out

Measuring

- Telling the time to the hour and half hour
- Putting the days of the week and months of the year in order
- Measuring length, weight and capacity and comparing these measurements

Geometry

- Recognising, naming and describing common 2-D and 3-D shapes
- Using shapes to make patterns, models and pictures
- Describing whole, half, quarter and three-quarter turns



Year 1 English

Your child will review:

- reading all phonemes (please see the picture)
- reading and writing suffixes (such as -s, -es, -ing, -ed, -er and -est) and prefix (un-)
- forming all lowercase and uppercase letters
- joining clauses to form longer sentences with a conjunction (and)
- punctuation
- reading 'High Frequency' words
- spelling

s sat	t tap	p pan	n nose	m mat	a ant	e egg	i ink	o otter
g got	d dag	ck click	r run	h hat	u up	ai rain	ee knee	igh light
b bus	f farm	l lolly	j jam	v van	oa boat	oo cook	oo boat	ar star
w wish	x axe	y yell	z zap	qu quill	or fork	ur burn	ow now	oi boil
ch chin	sh ship	th think	th the	ng sing	ear near	air stair	ure sure	er writer



Year 2

Year 2 Maths

Children will review:

Number and place value

- counting in steps of 2, 3 and 5
- putting the numbers one to 100 in the correct order
- using $<$ and $>$ symbols
- recognising the place value of each digit in a two-digit number

Calculating

- adding and subtracting one- and two-digit numbers
- knowing addition and subtraction facts up to 20
- the 2, 5 and 10 times tables
- identifying even and odd numbers

Fractions

- finding $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a shape or quantity

Measurement

- using appropriate units to measure length, weight and capacity
- combining amounts of money to make a particular value
- working out how much change to give
- tell the time to five minutes, including quarter to / past the hour

Geometry

- identifying, describing and sorting common 2D and 3D shapes
- understanding that a quarter turn is a right angle
- the concepts of clockwise and anti-clockwise

Year 2 English

Your child will practise:

- words in the contracted form, words with the possessive apostrophe and homophones.
- using conjunctions (when, if, that, because, or, and, but) to join two clauses
- joining lower-case letters and write words where the capitals and lower-case letters are proportional to each other
- reading words containing common suffixes (-ed, -ing, -y, -ness, -ful, -ment)
- identifying imperative verbs



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Year 3

Year 3 Maths

Your child will review:

Number and Place Value

- recognising place value of each digit in a three-digit number
- comparing and ordering numbers to 1000

Calculating

- adding and subtracting with numbers up to three digits using column addition and subtraction
- multiplication facts for the 3, 4 and 8 times tables
- multiplying two-digit numbers by one-digit numbers

Fractions

- finding fractions of quantities
- understanding equivalent fractions
- adding and subtracting fractions with the same denominator

Measuring

- adding and subtracting measurements of length, weight and capacity
- working out the perimeter of simple 2D shapes
- adding and subtracting amounts of money
- telling and writing the time using the 12-hour and 2-hour clock

Geometry

- recognising right angles and identifying whether angles are greater or smaller than a right angle
- identifying horizontal and vertical lines and pairs of parallel and perpendicular lines



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Year 3 English

Your child will be:

- practising reading skills (fiction, non-fiction and poetry)
- practising root words, prefixes and suffixes
- doing revision on grammar and punctuation.
- using connectives (when, before, after, while, so, because)
- reviewing non-chronological reports and recognising their features and parts
- using inverted commas to punctuate speech



Year 4

Year 4 Maths

Your child will review:

Number and place value

- recognising place value of each digit in a four-digit number
- counting backwards through zero to include negative numbers
- rounding any number to the nearest 10, 100 or 1000

Calculating

- adding and subtracting with numbers up to four digits using column addition and subtraction
- all time tables up to 12 x 12
- multiplying three-digit numbers by one-digit numbers

Fractions and decimals

- finding fractions of quantities (for example: $\frac{2}{6}$ of 48)
- understanding equivalence between fractions and decimals
- dividing one-digit and two-digit numbers by 10 and 100
- rounding decimals with one decimal place to the nearest whole number

Measuring

- converting between units of measurement
- working out the perimeter and area of shapes
- calculating with amounts of money
- telling and writing the time using the 12-hour and 24-hour clock
- solving problems involving converting between units of time

Geometry

- classifying different types of triangles and quadrilaterals
- recognising acute and obtuse angles
- identifying lines of symmetry in 2D shapes
- plotting coordinates in the first quadrant
- translating shapes up/down and left/right



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Year 4 English

We will focus on:

- fronted adverbials of time, place, frequency, manner and behaviour
- punctuation
- reading and reading comprehension (fiction, non-fiction and poetry)
- expanded noun phrases
- plural apostrophe
- coordinating and subordinating conjunctions
- pronouns



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Year 5

Year 5 Maths

Your child will review:

Number and place value

- counting forwards and backwards with positive and negative numbers
- rounding any number up to one million to the nearest 10, 100, 1000, 10,000, 100,000

Calculating

- adding and subtracting with numbers up to four digits using column addition and subtraction
- identifying factors and multiples of different numbers
- identifying prime numbers
- multiplying four-digit numbers with two-digit numbers using long multiplication
- dividing four-digit numbers by one-digit numbers using short division
- multiplying whole numbers and decimals by 10, 100 and 1000
- recognising and using square numbers and cube numbers
- solving problems involving all four operations

Fractions, decimals and percentages

- comparing and ordering fractions whose denominators are all multiples of the same number
- converting from mixed numbers to improper fractions
- adding and subtracting fractions whose denominators are multiples of the same number
- multiplying proper fractions and mixed numbers by whole numbers
- rounding decimals with two places to the nearest whole number and to one decimal place
- comparing numbers with up to three decimal places
- percentages
- knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$ and $\frac{4}{5}$

Measuring

- converting between units of measurement
- working out the perimeter and area of shapes (including irregular shapes)
- solving problems involving money and measures
- solving problems involving converting between units of time

Geometry

- drawing and measuring angles
- finding angles around a point, on a straight line and within a right angle



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Year 5 English

We will focus on:

- active and passive voice
- inference skills
- figurative language
- reading and reading comprehension (fiction, non-fiction and poetry)
- adverbs and adverbials
- subordinate clauses
- relative clauses and relative pronouns
- modal verbs



Year 6

Year 6 Maths

Your child will review:

Number and place value

- calculating intervals across zero

Calculating

- multiplying four-digit numbers by two-digit numbers using long multiplication
- dividing four-digit numbers by two-digit numbers using long division
- identifying common factors, common multiples and prime numbers
- solving multi-step problems involving all four operations

Fractions, decimals and percentages

- simplifying fractions
- comparing and ordering fractions
- adding and subtracting fractions with different denominators
- multiplying pairs of proper fractions, giving the answer in its simplest form
- dividing proper fractions by whole numbers
- multiplying and dividing numbers by 10, 100 and 1000
- multiplying one-digit numbers with up to two decimal places by whole numbers
- using written division methods in cases where the answer has up to two decimal places

Ratio and Proportion

- finding percentages of amounts
- solving problems involving shapes and scale factors

Algebra

- using simple formulae
- generating and describing linear number sequences
- expressing missing number problems algebraically
- finding pairs of numbers that satisfy an equation with two unknowns

Measurement

- converting between units of measurement, using decimal notation up to three decimal places
- working out the perimeter and area of shapes (including parallelograms and triangles)
- working out the volume of cubes and cuboids

Geometry

- drawing a 2D shape using given dimensions and angles



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- finding unknown angles in any triangle, quadrilateral and regular polygon
- parts of circles including radius, diameter and circumference
- recognising angles where they meet at a point, are on a straight line or are vertically opposite
- plotting coordinates on all four quadrants
- drawing and translating simple shapes on the coordinate plane and reflecting them in the axes

Statistics

- interpreting and constructing pie charts and line graphs and use these to solve problems
- calculating and interpreting the mean as an average

Year 6 English

Your child will practise:

- suffixes, prefixes, homophones
- active and passive voice
- punctuation: using semi-colons, colons, dashes and hyphens
- using connectives: conjunctions, prepositions and adverbs
- subjunctive mood
- modal verbs
- reading and reading comprehension (fiction, non-fiction and poetry)