

# LEECHPOOL PRIMARY SCHOOL



**Welcome to Year 1**

**Information  
for Parents**

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# Welcome letter

Some information in this booklet may be subject to change due to COVID-19. Please refer to our [website](#) during coronavirus for our latest information.

Dear Parents and Carers,

Welcome to Year 1!

This is an exciting and important year for you and your child as you move from Early Years into a more formal school based approach throughout the year. We aim to provide a smooth transition between year groups, as it is of great importance to us that the children are supported in the best way possible, to ensure they feel safe and happy to learn.

We are incredibly excited to be starting a new school year with such an enthusiastic group of learners. Ahead of us are some brilliant learning themes, a few exciting extras and a lot of enjoyment.

We hope this booklet will give you a wealth of information about the environment, curriculum and requirements of Year 1 and will answer many of the 'start of year' questions you are likely to have. Each half term you will receive a more detailed version of curriculum specifics however this booklet gives an overview of the year.

On a final note, we would welcome any parents into our year group to help in class on a regular basis or for a specific purpose. If you are able to offer your time, please get in touch with your child's class teacher to arrange a suitable time.

*The Year 1 Team*

## **As a school we aim to:**

- We aim to promote an exciting, creative and supportive learning environment, which energizes each child to value themselves and maximize their potential
- We aim to give our learners the highest standard of education, through excellence and innovation in teaching, linked with a relevant and engaging curriculum which recognizes children's needs and individual learning styles.
- We aim to equip each child with life skills so that they may become confident, responsible, caring adults of tomorrow, within an ever-changing, multi-cultural society.

## Meet the Year 1 Team .....

Name	Role
Miss Ellie Bennett	Hedgehog Class Teacher
Miss Evie Perry-Mason	Squirrel Class Teacher
Mrs Michelle Letley	Learning Mentor Higher Level Teaching Assistant
Mrs Charlotte Bazeley	Support Teacher
Mrs Wendy Child	Teaching Assistant
Mrs Leila Newman	Learning Support Assistant
Mrs Karen Tartaglia	Learning Support Assistant

### The School Day

Our school day runs from 8:55 a.m. until 3 p.m., with a lunch break from 12:00 - 1:00 p.m.

It is important that all children arrive on time every day.

The school gates will be open from 8.30 a.m. and the doors to the Year 1 classroom will be open from 8.35 a.m., with an adult on duty to take messages and welcome the children into school. Pupils in Year 1 go straight to their classrooms, sort out their belongings and read a book independently until 8:55 a.m. when the register is taken. Any child entering the school after their registration time, and when an adult is no longer at the cloakroom door, must enter school through the main entrance and sign in at the office to ensure that records are kept up to date in case of a fire (even if your child has been at the doctor or dentist for example).

### Absence

Please contact the school before 9.00 a.m. to advise of any absence, a message can be left on the absence line.

Holidays or days off must be authorised beforehand by the Headteacher following completion and submission of an Absence Request form which can be downloaded from the website.

### Homework Expectations

Monday	Tuesday	Wednesday	Thursday	Friday
Reading, spellings and times tables everyday				
		Homework due in.		Spellings are test and given out.  Maths, Literacy or Topic homework set.

In the summer term, the children will be set homework projects which will enable them to demonstrate the skills they have learned over the year. These projects, once completed, can be brought to school to share with the class to celebrate. They will be expected to complete at least 4 pieces of work over the course of the term.

# 1. Learning at Leechpool

## a) Valuing All Learners Equally

### Aspirations

#### As a learning community, we will strive to

- Learn from one another, and with one another
- Have high expectations of each other
- Help each other to develop self-confidence and a positive self-image
- Be constructive, critical and analytical thinkers
- Continue to value and develop our "learning to learn" culture
- Celebrate progress, effort and achievement
- Help our children to develop lively, enquiring minds and encourage them to express themselves clearly in a variety of ways
- Foster strong links with our parents and the wider community
- Work hard to maintain the traditions of our school.

## b) Life Skills

In Year 1 we focus on developing the following life skills:

### **Staying Safe**

Internet Safety

Helmet Safety

Footsteps- Crossing the road

Water safety

Home safety

### **Emotional Health and Well Being**

Keeping clean and safe

Feeling good?

Still feeling good?

### **Drug Education**

What is a medicine?

### **Sex and Relationships**

Different types of friends

Are boys and girls different?

### **Economic Well Being and Financial Capability**

Why do we have money?

### **Citizenship**

ClassCharter

Joining in

Who likes chocolate (where does our food come from?)

## 2. 6Rs

# LEECHPOOL VALUES RESPECT

REFLECTIVE



RESPONSIBLE



# THE

RELATIONSHIPS



# 6

RESOURCEFUL



# Rs

RISK-  
TAKING



RESILIENT



Our one School Rule is **RESPECT** – represented by the lion who reminds pupils to be respectful to other people and to take an interest in them.

We encourage the following skills in all pupils at all times:

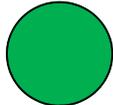
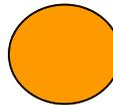
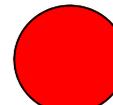
<b>Owl - Reflective</b>	I remind you to be reflective in your learning and think about how well you are doing.
<b>Meerkat - Relationships</b>	I remind you to have good relationships when you work with other people.
<b>Cat – Risk Taking</b>	I remind you to be a risk taker in your learning and to learn from making mistakes.
<b>Bee - Resourceful</b>	I remind you to be resourceful in your learning and try different ways to solve thing yourself.
<b>Dog - Responsible</b>	I remind you to be loyal and responsible and care for those around them.
<b>Tortoise - Resilient</b>	I remind you to be resilient in your learning and never give up.

## a) “Catch them being good”

Our overriding school rule is **RESPECT** and this incorporates the Golden Rules which are as follows:

- We are gentle
- We are kind and helpful
- We listen
- We are honest
- We work hard
- We look after property

## Our behaviour system follows a traffic light system as follows:

	Golden—this is used for 'wow' moments and for any exceptional work or behaviour that a pupil produces. When a child moves onto the golden traffic light, they receive a special award or certificate.
	Green—all pupils start every day on the green traffic light. While on this they can earn awards, certificates, dragon tokens. If they are still on green at the end of the day, they will receive a reward. In junior classes there may be a challenge to see how many days they can stay on green.
	Orange—a pupil moves to orange when they have made a bad choice with their behaviour as a warning.
	There are 4 steps on the red traffic light—first time is loss of some of their golden time on a Friday afternoon, second time is loss of some of their playtime, third time results in being sent to their Phase Leader and the fourth time results in being sent to Mrs Davenport, Mr Chapman or Miss Payne.

Each pupil has a named label in their dragon team colour that can move onto different traffic lights when needed.

Alongside the traffic lights, we still have the following:

**Dragon Tokens**—every pupil and member of staff belong to a Dragon Team. Pupils can receive dragon tokens from any member of staff for work or behaviour and these tokens are added up at the end of each week by the School Dragon Team Captains. In whole school assembly on Monday the scores are read out. The team that wins the most times in a term are rewarded with being allowed to wear their own clothes into school for the day at the end of term (letters will be sent out to inform parents of this).

**Headteacher Awards**—any member of staff can send a pupil to Mrs Davenport with a gold token—this is for exceptional pieces of work. They then get a golden sticker from Mrs Davenport and their name written in the Golden Book which is read out in whole school assemblies.

**Class Rewards**—in every class, pupils can work as a team and earn a token in the shape of their class animal. When the class have earned 20 class tokens, they can have a class reward, decided by themselves. These can include discos, films and popcorn, picnics, onesie party, time on the playground.

**Class Headteacher Awards**—any member of staff can nominate a whole class for a particular reason such as good behaviour on a school trip, working well as a team, trying hard with a class assembly, etc. The class and reason are written in the Golden Book and read out in assembly. At the end of the year, the class with the most Headteacher Awards has afternoon tea with Mrs Davenport.

**Golden Time**—every pupil starts the week with 15 minutes of Golden Time for Friday afternoon. As mentioned with the traffic lights, they can lose some of this golden time if they make bad choices with their behaviour. Sometimes they can earn this time back.

**Lunchtimes**—At lunchtimes, pupils are given gold slips for good behaviour and polite manners. There are red slips for when pupils make a bad choice.

## b) Our Year Group Continent

Each year group’s classes are named after animals from different continents according to size. The foundation stage class is named after the smallest continent, Australasia e.g. Kangaroos and Koalas.

Year group	Continent	Class names
Foundation Stage	Australasia	Kangaroo /Koala
Year 1	Europe	Hedgehog / Squirrel
Year 2	Antarctica	Penguin /Seal
Year 3	South America	Jaguar / Llama
Year 4	North America	Bears / Eagles
Year 5	Africa	Lion / Giraffe
Year 6	Asia	Panda / Tiger

## c) Pride in our uniform

Wearing the correct uniform to school is important. Please support us in ensuring your child comes to school wearing their uniform in a smart way. We also ask that they have the correct PE kit in school for their PE and Sport lessons. These must be taken home to wash on a Friday and returned on a Monday morning. Please check the website if you are unsure what our uniform policy includes. Please ensure that all uniform is named so that, should it get lost, it can be returned to the correct person.

# 3. Successful Learners

Successful Learners
<b>Who.....</b>
Have the essential learning skills of English, mathematics & computing
Have enquiring minds and are creative, resourceful and able to identify and solve problems
Communicate and collaborate well
Enjoy learning and are motivated to achieve the best they can now and in the future

## **R.A.P time**

'Reflect and progress' time will be given once a week in both Literacy and Maths. Feedback will be provided by the teacher following a piece of completed work by the child and R.A.P time allows the children to 'reflect' on the feedback and then respond to the task given. When looking in the books, it will be evident which tasks were R.A.P as the child will respond using a blue pen.

R.A.P tasks can vary depending on the child's understanding and the learning objective. They may include making corrections, editing spelling errors, re-reading and improving work or a 'challenge' task to 'progress' the child into the next steps of learning.

## **Learning Slips**

Children are given learning slips in Literacy, Maths and in some Topic work. These show what the children are learning and the steps they need to do to achieve this (success criteria). At the end of the lesson, the children are expected to self-assess (using traffic light colours) against the success criteria. The teacher then monitors their self-assessment and adjusts where necessary.

At the bottom of the learning slip, the children will indicate whether they have learnt independently, in pairs, in a group or with adult support. Additionally, in Literacy, they will indicate what part of the writing sequence they are completing.

# **a) English**

## **i. Reading**

Reading is probably the most important skill children learn during their time in primary school. We would ask that you find time to regularly read with your child, at least 3 times a week, but every day is best. These special times can involve a number of different activities:

- They can read aloud to you
- You read to them (this is really important as you model good reading and can expose them to some books they might find more difficult to read on their own)
- Talk about what you have read, make predictions about what you might think is going to happen next and discuss the characters' thoughts and feelings within the story

For more information on reading, please take a look at the resources on our website.

### **Year 1 Reading Key Objectives**

<b>1</b>	Apply phonic knowledge to decode words
<b>2</b>	Speedily read all 40+ letters/groups for 40+ phonemes
<b>3</b>	Read accurately by blending
<b>4</b>	Read aloud phonically decodable texts

<b>5</b>	Listen to and discuss a wide range of poems, stories and non-fiction at a level beyond that at which you can read independently
<b>6</b>	Become very familiar with key stories, fairy stories and traditional tales, retelling them and considering their particular characteristics
<b>7</b>	Make inferences on the basis of what is being said and done
<b>8</b>	Predict what might happen on the basis of what has been read so far
<b>9</b>	Participate in discussion about what is read to you, taking turns and listening to what others say
<b>10</b>	Explain clearly your understanding of what is read to you

In Year 1, children receive 4 x 30-minute whole class phonic sessions. During this time, children will learn new phonetic sounds, blend and segment words as well as consolidating previous phonic knowledge. Children will apply phonic knowledge to texts as well as use to record dictated sentences. On Mondays, children receive a 1-hour phonics session. This involves games, handwriting and activities based on the sounds/words learnt that week. On Thursday children will also be tested on spellings they will have learned throughout the week. These will either apply a new sound or require them to recall the spellings of tricky or high frequency words.

During Reading lessons children will either be heard reading as part of a small guided reading group or will read 1:1 with an adult. During this time, children will practice their ability to decode unknown words, recall high frequency words and demonstrate an understanding of the text they have read. Your child will also bring home an individual, banded reading book. These reading books are self-selected by your child and we would like you to aim to read a minimum of 4 times a week with your child, daily where possible! We aim to help your child develop a love for reading with confidence.

Please do record each time you read with your child in their reading diary. It allows us to see that your child has read and also how successful they have been. These reading diaries are checked every day and allow us to track the children's progression through each book band before moving them up as appropriate.

## ii. Writing

### **Purple Polishing Pens**

Purple polishing pens are used by the children to edit their written work. They are expected to use these independently after completing a writing task to correct spellings and punctuation and improve vocabulary and sentence structure. This can also be used in peer marking where

another child may suggest improvements and record their initials on their partner work to show this.

## Year 1 Writing Key Objectives

1	Spell words using the standard phonemes
2	Spell common exception words
3	Name the letters of the alphabet in order
4	Name the days of the week
4	Understand spelling rules for adding 's'
5	Use suffixes •ing, •er, •ed, and •est
10	Compose a sentence orally before writing
11	Sequence sentences to form short narratives
12	Read writing aloud audibly and clearly
13	Leave spaces between words
14	Join words and clauses using 'and'
15	Re-reading what they have written to check it makes sense

## iii. Spelling, Grammar and Punctuation

### Spelling in Year 1

#### Vowel digraphs and tri-graphs

Vowel digraphs and tri-graphs	Example words
ai ay a_e	rain, wait, train, paid, afraid day, play, say, way, stay
ee ea e_e	see, tree, green, meet sea, dream, meat, each
igh ie i_e	high, night, light, bright lie, tie, pie, cried,

oa ow oe o_e	boat, coat, road, coach, goal own, blow, snow, grow, show toe, goes home, those, woke, hope, hole
oo (/u:/) ue ew u_e	food, pool, moon, zoo, soon blue, clue, true, rescue, Tuesday new, few, grew, flew, drew, threw June, rule, rude, use, tube, tune
ar	car, start, park, arm, garden
oi oy	oil, join, coin, point, soil boy, toy, enjoy, annoy
ir ur er	girl, bird, shirt, first, third turn, hurt, church, burst, Thursday her, term, verb, person, summer, sister, under
ea (/ɛ/)	head, bread, meant, instead, read (past tense)
oo (/ʊ/)	book, took, foot, wood, good
ou ow	out, about, mouth, around, sound now, how, brown, down, town
ie (/i:/)	chief, field, thief
or aw au ore	for, short, born, horse, morning saw, draw, yawn, crawl author, August, dinosaur, astronaut more, score, before, wore, shore
air ear (/ɛə/) are (/ɛə/)	air, fair, pair, hair, chair bear, pear, wear bare, dare, care, share, scared
ear	dear, hear, beard, near, year

<b>Statutory requirements</b>	<b>Example words</b>
Words ending -y (/i:/ or /ɪ/)	very, happy, funny, party, family
New consonant spellings ph and wh	dolphin, alphabet, phonics, elephant when, where, which, wheel, while
Using k for the /k/ sound	Kent, sketch, kit, skin, frisky
Adding the prefix -un	unhappy, undo, unload, unfair, unlock
Compound words	football, playground, farmyard, bedroom, blackberry

Common exception words	the, a, do, to, today, of, said, says, are, were, was, is, his, has, I, you, your, they, be, he, me, she, we, no, go, so, by, here, there, where, love, come, some, one, once, ask, friend school, put, push, pull, full, house, our – and/or others, according to the
The sounds /f/, /l/, /s/, /z/ and /k/ spelt ff, ss, zz and ck	off, well, miss, buzz, back
The /ŋ/ sound spelt n before k	bank, think, honk, sunk
Division of words into syllables	pocket, rabbit, carrot, thunder, sunset
•tch	catch, fetch, kitchen, notch, hutch
The /v/ sound at the end of words	have, live, give
Adding s and es to words (plural of nouns and the third person singular of verbs)	cats, dogs, spends, rocks, thanks, catches
Adding the endings –ing, –ed and –er to verbs where no change is needed to the root word	hunting, hunted, hunter, buzzing, buzzed, buzzer, jumping, jumped, jumper
Adding –er and –est to adjectives where no change is needed to the root	grander, grandest, fresher, freshest, quicker, quickest

## Dragon spellings

In Year 1, children will be sent home spelling lists based on year 1 spelling patterns and common exception words. They will be expected to learn 8 words a week and will be tested on these as well as 2 dictated sentences containing one of the key words they have learnt. Children will progress through the different dragon lists achieving a certificate at the end of each dragon.

## Grammar & Punctuation in Year 1

<b>Word</b>	Regular <b>plural noun suffixes</b> –s or –es [for example, <i>dog, dogs; wish, wishes</i> ], including the effects of these suffixes on the meaning of the noun  <b>Suffixes</b> that can be added to <b>verbs</b> where no change is needed in the spelling of root words (e.g. <i>helping, helped, helper</i> )  How the <b>prefix un-</b> changes the meaning of <b>verbs</b> and <b>adjectives</b> [negation, for example, <i>unkind, or undoing: untie the boat</i> ]
<b>Sentence</b>	How <b>words</b> can combine to make <b>sentences</b>  Joining <b>words</b> and joining <b>clauses</b> using <i>and</i>
<b>Text</b>	Sequencing <b>sentences</b> to form short narratives

<b>Punctuation</b>	Separation of <b>words</b> with spaces Introduction to capital letters, full stops, question marks and exclamation marks to demarcate <b>sentences</b> Capital letters for names and for the personal <b>pronoun I</b>
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<b>Terminology for pupils</b>	letter, capital letter word, singular, plural sentence punctuation, full stop, question mark, exclamation mark
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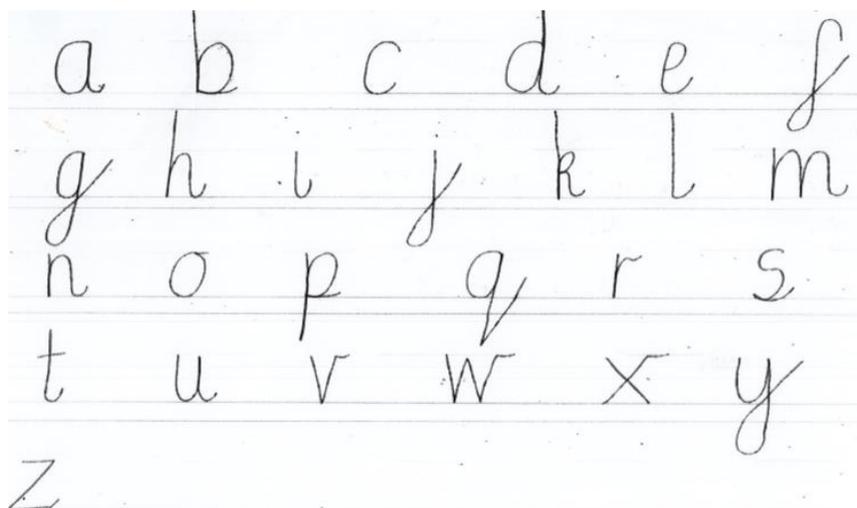
Half termly spelling lists can be found on eSchools and weekly lists will be stuck into spelling books every Friday after the spelling test.

## iv. Handwriting

During Year 1 pupils will be taught to:

- sit correctly at a table, holding a pencil comfortably and correctly
- begin to form lower-case letters in the correct direction, starting and finishing in the right place
- form capital letters
- form digits 0-9
- understand which letters belong to which handwriting 'families' and practise these

We use the 'Penpals' Handwriting publication to develop fluent, legible handwriting. Teaching progresses from developing gross and fine motor skills to confident letter formation and accomplished joins. In year 1 children will be given a training pen and once they have mastered joining they will be given a pen license where they can choose which style pen they use. Children are expected to have gained their pen license by the end of Year 3 where they will be consistently joining their handwriting to a high standard.



# b) Mathematics

## Year 1 Maths Key Objectives

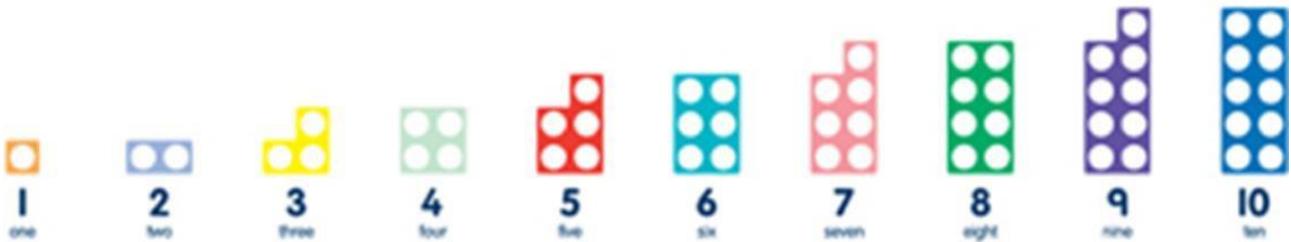
<b>1</b>	Count to and across 100 from any number forwards and backwards
<b>2</b>	Count, read and write numbers to 100 in numerals
<b>3</b>	Read and write mathematical symbols: +, - and =
<b>4</b>	Identify "one more" and "one less" of a 2 digit number
<b>5</b>	Solve 'real life' problems involving addition, subtraction, division and multiplication
<b>6</b>	Use number bonds and subtraction facts within 20
<b>7</b>	Add and subtract 1-digit and 2-digit numbers to 20, including zero
<b>8</b>	Find half ( $\frac{1}{2}$ ) of a shape or number
<b>9</b>	Find quarter ( $\frac{1}{4}$ ) of a shape or number
<b>10</b>	Measure and begin to record length, mass, volume and time
<b>11</b>	Recognise and know the value of all coins and notes
<b>12</b>	Use language to sequence events in chronological order
<b>13</b>	Recognise and use language relating to dates
<b>14</b>	Tell the time to the half-hour, including drawing clocks
<b>15</b>	Recognise and name common 2-D shapes
<b>16</b>	Recognise and name common 3-D shapes

# Leechpool Primary School Calculation Policy Equipment

Children have access to a variety of mathematical apparatus designed to aid their calculation with numbers. These may include some of the following:



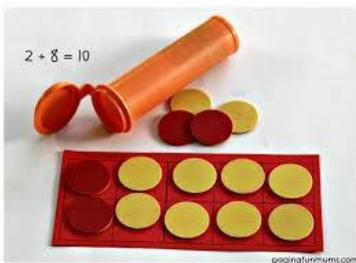
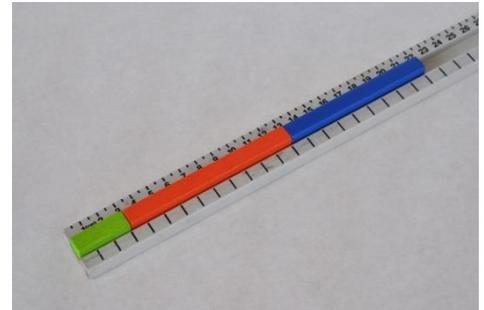
**Numicon**



**Base 10**



**Cuisenaire Rods and number tracks**



**Counters and counting equipment**



**Bead strings**

	Hundreds	Tens	Ones
Player 1			
Player 2			

**Calculation mats**



**Coins**

## Written Calculation Methods

As children progress in their ability to solve mathematical calculations we teach the children specific ways to record their working out. It is important that children progress through each stage of the progression chart as this ensures they fully grasp the mathematical concepts that underpin the calculations they are doing.

### Key Vocabulary

#### Addition

More  
Add  
Sum  
Plus  
Increase  
Total  
Altogether  
Inverse



#### Subtraction

Take away  
Minus  
Subtract  
Less  
Difference  
Decrease  
Inverse



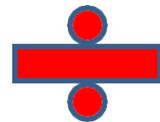
#### Multiplication

Lots of  
Groups of  
Times  
Repeated Addition  
Multiply  
Product  
Inverse



#### Division

Divide  
Group equally  
Share equally  
Factor  
Inverse  
Remainder  
Quotient  
Divisor



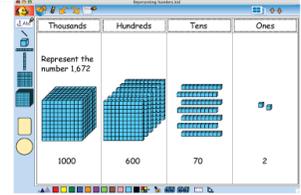
# Written Calculation Methods – Addition

Prior to using the formal written methods of addition and subtraction pupils will use a variety of equipment to explore smaller number bonds. Quick and accurate recall of these facts, and establishing the connections between them, helps greatly with larger addition and subtraction calculations.



$$\begin{aligned} 6 + 3 &= 9 \\ 3 + 6 &= 9 \\ 9 - 3 &= 6 \\ 9 - 6 &= 3 \end{aligned}$$

To aid with addition and subtraction pupils will use equipment including base 10. Base 10 can be used to visual the partitioning of larger numbers.



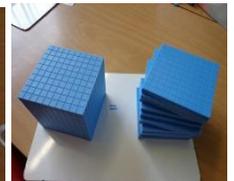
Pupils understand how tens, hundreds and thousands can be regrouped using base 10 as a visual aid.



1 ten = 10 ones

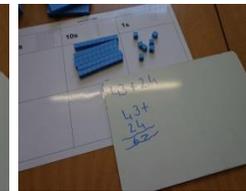
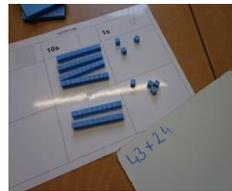


1 hundred = 10 tens



1 thousand = 10 hundreds

Add 2 and 3 digit numbers together, using base-10 apparatus to solve addition problems that do not involve regrouping.



$$\begin{array}{r} \text{T O} \\ 43 \\ + 24 \\ \hline 67 \end{array}$$

Add 2 and 3 digit numbers together, using base-10 apparatus to solve addition problems that involve regrouping.



$$36 + 45$$

The ones are added and we have 11. This needs to be regrouped into 1 ten and 1 one. Adding the tens gives 8 tens in total.

Develop understanding of the column method of addition involving regrouping ones and tens.



$$\text{T O}$$

$$77$$

$$+ 45$$

$$\underline{122}$$

$$11$$

7 + 5 = 12  
The 12 is regrouped in 1 ten and 2 ones. The 1 ten is shown underneath and then included in the addition of the tens.

The 7 tens, 4 tens and 1 ten are added to equal 12 tens. These are regrouped as 1 hundred and 2 tens.

$$\text{T O}$$

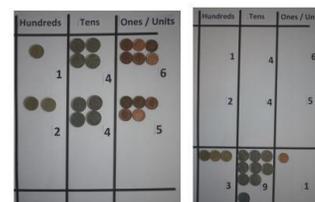
$$77$$

$$+ 45$$

$$\underline{122}$$

$$11$$

Develop further understanding of addition in the context of money.



$$£1.46 + £2.45$$

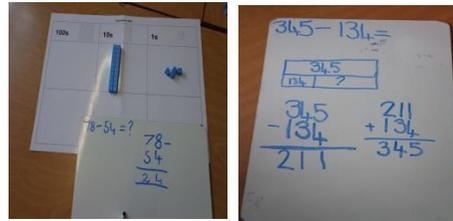
$$\begin{array}{r} 1.46 \\ + 2.45 \\ \hline 3.91 \end{array}$$

Pupils extend their written method to work with increasingly larger numbers and decimal numbers as appropriate.

## Written Calculation Methods – Subtraction

Prior to using a written method, pupils may use objects or counters to explore the notation of subtraction. Number lines may be used to count backwards. Connections should be made to addition and smaller number bonds that pupils can recall.

Subtract from 2 and 3 digit numbers without regrouping. Check subtraction calculations using the inverse operation of addition. Bar model diagrams may be used to establish the connection to addition.



8	
3	?

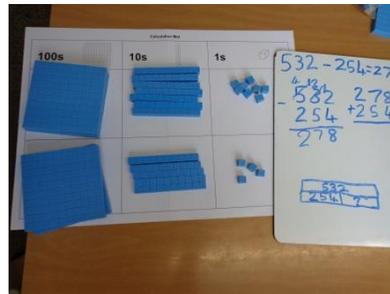
8 - 3 = ?  
3 + 5 = 8

Subtract from 3 digit numbers, regrouping tens into 10 ones using a column method. Check subtraction calculations using the inverse operation of addition.

	H	T	O
	2	6	7
-	1	2	5
	1	4	8

We cannot subtract 5 from 3  
we regroup one of the tens into  
10 ones. We know we have 13 ones  
and so can subtract 5 ones. We  
are left with 6 tens and can  
subtract 2 tens. Finally we look at  
the hundreds.

Subtract a 3 digit number from a 3 digit number, regrouping the tens into ones and the hundreds into tens. Pupils may use base 10 to support with this or, if knowledge of place value is secure, counters may also help.



	H	T	O
	4	5	1
-	2	5	4
	2	7	8

Regrouping is necessary across two place values columns. 1 ten is regrouped as 10 ones. Then 1 hundred is regrouped as 10 tens giving enough hundreds, tens and ones to subtract from.

Develop further understanding of subtraction in the context of money.



Question:  
John had £2.53 in change in his pocket. He bought a notebook for £1.39 when he was in town. How much money does he have left?

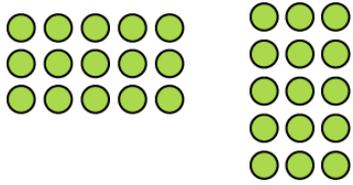
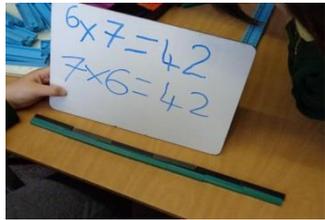
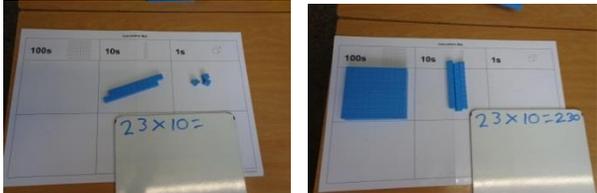
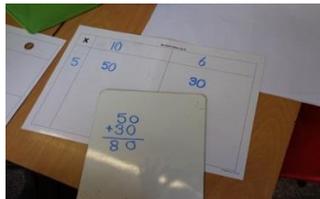
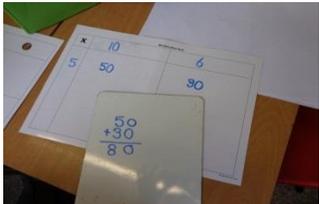
Use the inverse operation to solve missing number problems.

Write in what the missing numbers could be.

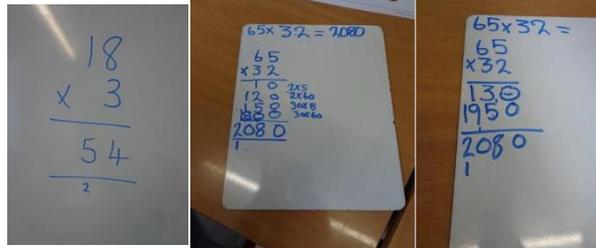
$$170 + \square = 220 - \square$$

Pupils will extend their use of the written method to include larger numbers and decimals as appropriate. They will solve a range of addition and subtraction calculations and understand the mathematical vocabulary for addition and subtraction.

## Written Calculation Methods – Multiplication

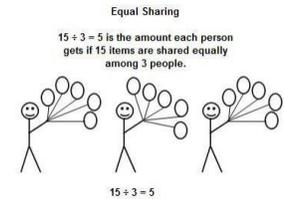
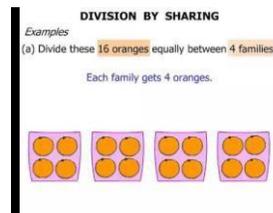
<p>Prior to using a formal written method, pupils will use counters and objects to help solve multiplication problems. They will begin to relate counting in 2's, 5's, 10's etc. to their times tables. An array can represent a multiplication.</p>	 <p><math>3 \times 5</math>      <math>5 \times 3</math></p>																				
<p>Develop an understanding of multiplication as repeated addition and appreciate that multiplication can be completed in any order.</p>	<div style="display: flex; align-items: center; justify-content: center;"> <table border="1" style="margin-right: 20px;"> <tr><td colspan="4" style="text-align: center;">24</td></tr> <tr style="background-color: #00FF00;"><td style="width: 20px; height: 20px; text-align: center;">6</td><td style="width: 20px; height: 20px; text-align: center;">6</td><td style="width: 20px; height: 20px; text-align: center;">6</td><td style="width: 20px; height: 20px; text-align: center;">6</td></tr> </table> <p style="margin: 0 10px;">or</p> <table border="1" style="margin-right: 20px;"> <tr><td colspan="6" style="text-align: center;">24</td></tr> <tr style="background-color: #483D8B;"><td style="width: 20px; height: 20px; text-align: center;">4</td><td style="width: 20px; height: 20px; text-align: center;">4</td></tr> </table> </div> <p><math>6 \times 4 = 6+6+6+6</math>  <math>4 \times 6 = 4+4+4+4</math></p> <p style="text-align: center;"><math>6 \times 4 = 4 \times 6</math></p>  <p style="text-align: center;"><math>6 \times 7 = 7 \times 6</math></p>	24				6	6	6	6	24						4	4	4	4	4	4
24																					
6	6	6	6																		
24																					
4	4	4	4	4	4																
<p>Develop an understanding of how to multiply 1 and 2 digit numbers by ten. Pupils can use equipment and place value knowledge to help with this.</p>																					
<p>Multiply a teen number by a 1-digit number, using apparatus and the grid method.</p>	<div style="display: flex; align-items: center; justify-content: center;"> <table border="1" style="margin-right: 20px;"> <tr><td style="width: 20px; height: 20px; background-color: #FF8C00;"></td><td style="width: 20px; height: 20px; background-color: #008000;"></td></tr> <tr><td style="width: 20px; height: 20px; background-color: #FF8C00;"></td><td style="width: 20px; height: 20px; background-color: #008000;"></td></tr> <tr><td style="width: 20px; height: 20px; background-color: #FF8C00;"></td><td style="width: 20px; height: 20px; background-color: #008000;"></td></tr> <tr><td style="width: 20px; height: 20px; background-color: #FF8C00;"></td><td style="width: 20px; height: 20px; background-color: #008000;"></td></tr> <tr><td style="width: 20px; height: 20px; background-color: #FF8C00;"></td><td style="width: 20px; height: 20px; background-color: #008000;"></td></tr> </table> <div style="margin-left: 20px;"> <p>10      6</p> <p><math>5 \text{ lots of } 16 = 5 \text{ lots of } 10 + 5 \text{ lots of } 6</math></p> </div> </div>  <p style="text-align: center;"><math>16 \times 5</math></p>																				
<p>Multiply 2-digit numbers by a 1-digit number, using the grid method alongside the column method and establish the link between the two methods.</p>	 <div style="margin-left: 20px;"> <table style="border-collapse: collapse;"> <tr><td style="text-align: right;">16</td><td></td></tr> <tr><td style="text-align: right;">x 5</td><td></td></tr> <tr><td style="border-top: 1px solid black; text-align: right;">30</td><td style="text-align: left;">- (5 x 6)</td></tr> <tr><td style="border-top: 1px solid black; text-align: right;">50</td><td style="text-align: left;">- (5 x 10)</td></tr> <tr><td style="border-top: 1px solid black; text-align: right;">80</td><td></td></tr> </table> </div>	16		x 5		30	- (5 x 6)	50	- (5 x 10)	80											
16																					
x 5																					
30	- (5 x 6)																				
50	- (5 x 10)																				
80																					
<p>Multiply a 2-digit number by another 2-digit number, using the grid method alongside the column method and establish the link between the two methods.</p>	 <div style="margin-left: 20px;"> <table style="border-collapse: collapse;"> <tr><td style="text-align: right;">23</td><td></td></tr> <tr><td style="text-align: right;">x 16</td><td></td></tr> <tr><td style="border-top: 1px solid black; text-align: right;">18</td><td style="text-align: left;">- (6 x 3)</td></tr> <tr><td style="border-top: 1px solid black; text-align: right;">120</td><td style="text-align: left;">- (6 x 20)</td></tr> <tr><td style="border-top: 1px solid black; text-align: right;">30</td><td style="text-align: left;">- (10 x 3)</td></tr> <tr><td style="border-top: 1px solid black; text-align: right;">200</td><td style="text-align: left;">- (10 x 20)</td></tr> <tr><td style="border-top: 1px solid black; text-align: right;">368</td><td></td></tr> </table> </div>	23		x 16		18	- (6 x 3)	120	- (6 x 20)	30	- (10 x 3)	200	- (10 x 20)	368							
23																					
x 16																					
18	- (6 x 3)																				
120	- (6 x 20)																				
30	- (10 x 3)																				
200	- (10 x 20)																				
368																					

**Multiply 2-digit numbers by 1 and 2-digit numbers, using the column method. Pupils may move to use a more compact column method.**

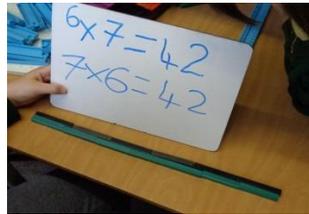


## Written Calculation Methods – Division

**Before using a formal written method for division pupils understand division as sharing equally. They may use objects, counters or diagrams to help them 'group' a number.**



**Make connections between multiplication and division. Divide a 2-digit number by a single-digit number using number rods and number lines (without remainders)**



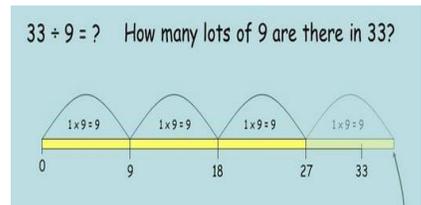
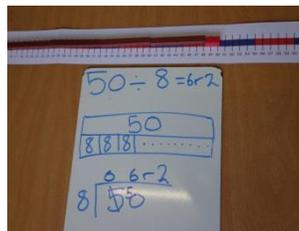
$$6 \times 7 = 42$$

$$7 \times 6 = 42$$

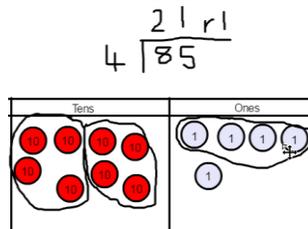
$$42 \div 6 = 7$$

$$42 \div 7 = 6$$

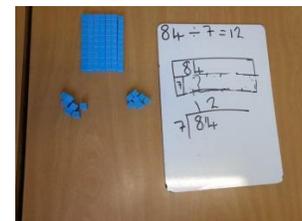
**Divide a 2-digit number by a single-digit number, using number rods and number lines (including remainders).**



**Introduce the column method for solving division of a 2-digit number by a single-digit number. Pupils may use base 10 or counters to help with regrouping if necessary.**



Pupils work in the place value columns to divide by 4



1 ten is regrouped into 10 ones. The tens and ones are divided by 7

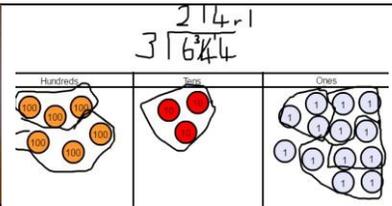
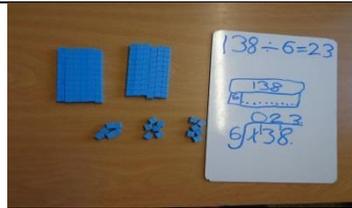
**Develop the use of the column method for dividing a 3-digit number by a single-digit number (including regrouping). Base 10 or counters may be used to help with the understanding of regrouping.**



There is one group of 800 in 968. We regroup the remaining hundred into 10 tens. The 16 tens can be grouped into two groups of 8 tens. The final 8 ones make one group of 8.

**Develop the use of the column method for dividing a 3-digit number by a**

single-digit number (including regrouping and remainders)



Pupils extend their division to include 4 digits numbers divided by a 1 digit number and eventually 4 digits numbers divided by 2 digit numbers. It should be noted that knowledge and recall of times tables and related division facts is vital for long multiplication and division. It is expected that pupils should have this knowledge by the end of year 4.

### iii. Key Essentials

To aid children with their mathematical learning, there are certain 'key essentials' that your child should know as they progress through school. The table below details these:

Year 1	I can use objects to work out one more and one less.
	I can read and write numbers from 0 to 10.
	I can show an understanding of + - and =.
	I can recall number bonds within 5.
	I can understand that the total number will change when objects are added or taken away.
	I can count to 20.
	I can name some common 2-D shapes.
Year 2	I can work out one more and one less of a given number.
	I can count, read and write numbers from 0 to 100.
	I can read and write number statements using +. - and =.
	I can recall number bonds within 10.
	I can add 1 digit and 2 digit numbers to 20 using objects and pictures.
	I can subtract 1 digit and 2 digit numbers to 20 using objects and pictures.
	I can find and name $\frac{1}{2}$ (half) of an object, shape or amount.
I can recognise and name some common 2D and 3D shapes.	
Year 3	I can read and write numbers to 100 in numerals.
	I can count in steps of 2, 5, 10s.
	I can find the place value of each digit of a number with tens and ones.
	I can answer simple addition and subtraction questions in my head as well as by writing them down.
	I can remember and use multiplication and division facts for the 2, 5, 10 times tables.
	I can find, name and write fractions of a length, shape, set of objects or amount.
	I can notice and explain the properties of 2D and 3D shapes.
I can read measurement scales in 1s, 2s, 5s and 10s.	
Year 4	I can use number bonds for all numbers up to 20.
	I can use the 3 times table fluently, including multiplication and division facts.
	I can use the 4 times table fluently, including multiplication and division facts.
	I can use the 8 times table fluently, including multiplication and division facts.
	I can recall facts about durations of time (e.g. days in the week, minutes in an hour, hours in three days, months of the year).
	I can tell the time to the nearest minute.
	I can recognise a right angle and name its value.
Year 5	I can use number bonds to 100.
	I can use the 12 x 12 fluently, including multiplication and division facts.
	I can recognise decimal equivalents of fractions for $\frac{1}{2}$ , $\frac{1}{4}$ , $\frac{3}{4}$ and any number of tenths and hundredths.
	I can multiply and divide single digit numbers by 10 and 100.
	I can round any number to the nearest 10 or 100.
	I can add and subtract numbers up to 4 digits using the formal column method.
	I can name all 2D shapes up to 10-sided, including all 6 quadrilaterals.
I can recall fact relating to the conversion of measurements (e.g. cms in a m, mls in a l).	
Year 6	I can use times tables up to 12 x 12 fluently.
	I can understand the value and order of each place value columns from 3dp to 10,000,000.
	I can mentally calculate addition and subtraction calculations where regrouping is not required.

	I can multiply and divide whole number by 10, 100 and 1000.
	I can use written column addition and subtraction, regrouping where necessary.
	I can read the time on both a 12 and 24 hour clock to 1 minute intervals.
	I can name all 2D shapes up to 10-sided, including all 6 quadrilaterals.
	I can recall decimal number bonds to 1 and 10.
	I can recall facts relating to the conversion of measurements (e.g. cms in a m, mls in a l).

Within our teaching, the key essentials for each year group contain learning the children have already experienced as they have moved through the school. Whilst we will revisit these topics and show the children how these can be used to answer questions across all areas of the maths curriculum, a strong knowledge of the 'key essentials' will help them maximize their learning in their new year group.

In order to assist further practice of this, we will be using a scheme across all year groups: Dragon, Rainbow and Solar maths. More details of this can be found on our website and will be available on the 'Meet the teacher' evening in September.

It is key that you support your child in learning these 'key essentials' using games, websites and oral practice at home. If you need any advice, please do not hesitate to ask your class teacher.

# iii. Vocabulary

## New Mathematics Vocabulary for Year 1

Number & Place Value	
more	numeral
less	figure
digit	compare
Addition & Subtraction	
+ add	number bond
+ more	number line
+ plus	= equals (the same as)
+ make	difference
+ sum	- subtract
+ total	- take away
+ altogether	- minus
inverse	
Multiplication & Division	
x times	÷ divide
x lots of	÷ divided by
x groups of	÷ share equally
x multiply	column
repeated addition	row
array	
Fractions	
whole	half
equal parts	quarter
Properties of Shapes	
cube	square
cuboid	flat
pyramid	curved
sphere	straight
cone	round
cylinder	face
circle	side
triangle	edge
Position & Direction	
over	before
under	after
underneath	opposite
outside	middle
inside	edge
around	close
behind	far
Measurement	
full	seasons
half full	day
empty	week
container	month
weighs	year
balances	quickest
heavier	slowest
lighter	oldest
scales	newest

# 4. Our Curriculum

This year our topic is called **Paddington's Adventure**. We will be using different themes throughout the year which will allow us to expand our knowledge and skills to make us super scientists, great geographers and handy historians.

Our themes this year are:

Term	Theme(s)
<b>London's Burning</b>	This topic will take us back in time to experience the Great Fire of London. We will be exploring different materials and reliving the event through the diary of Samuel Pepys.
<b>Four Nations, Four Seasons</b>	In this topic we will be exploring the UK and its four countries. We will be virtually traveling to England, Ireland, Wales and Scotland and learning about the different landmarks, tradition and physical features of the landscapes. We will also be studying the four seasons and daily weather patterns.
<b>The Secret Garden</b>	Through this scientific topic we will be exploring nature and studying the structure of plants and all creatures big and small. We will be looking at how characteristics differ in animals and what they eat. This topic will also involve the study of what makes a healthy plate for us and how to look after our bodies, as well as learning how they work.
<b>Leechpool Through The Years</b>	To celebrate the upcoming 50th birthday of Leechpool School, we will be preparing by looking at the school's history and how it has changed over the years. We will be exploring aerial views of the school and the surrounding local area using maps to navigate our way around.

## Websites we use at school

At school we use a number of websites to support the children's learning. The children will be given the log in details for all these websites and they will spend some time in school getting used to accessing them. All are accessible from home devices. Here are the main ones:

- Bug Club – [www.activelearnprimary.co.uk](http://www.activelearnprimary.co.uk)

- eschools - <https://leechpool.eschools.co.uk/login>
- Sumdog - [www.sumdog.com](http://www.sumdog.com)
- TT Rockstars - [www.ttrockstars.com](http://www.ttrockstars.com)
- My Maths - <https://www.mymaths.co.uk/>

# 5. Our Timetable

As a school we keep the timetable quite flexible to enable us to better meet the needs of the children. However, there are a few lessons which are fixed each week. Please ensure your child has the correct equipment in each day. This includes:

- An art apron – this should be named and can be kept in the art cupboard
- PE kit – this should be named. These need to be in school every day with the appropriate clothes for the time of year. Please ensure your child has a change of socks.
- Reading Record - this should be in school every day along with the book your child is reading. They will have time every day from 8:35-8:50 to change their reading book once it is finished. Children should place their book in the correct box in the classroom to show whether they have read the previous evening and may get a dragon token if they have.

The children will need their PE kits in school on the following days:

Tuesday and Thursday

<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
Assembly	Reading	Reading	Reading	Assembly
Literacy	Maths	Literacy	Maths	Phonics
Break	Break	Break	Break	Break
Literacy	Maths	Literacy	Maths	GPS
Phonics	Phonics	Phonics	Phonics	
Lunch	Lunch	Lunch	Lunch	Lunch
Topic	Handwriting	Topic	Handwriting	Topic
Individual Reading	P.E	Individual Reading	P.E	Individual Reading
	Individual Reading		Individual Reading	

# 6. Being Healthy at School

We are proud to be a Healthy School. At break times the children can bring into school a healthy snack. We ask that **no** sweets, chocolate or biscuits are eaten at this time.

We ask that all pupils bring in a water bottle • to be brought in daily and kept in specific boxes in the classroom for easy access during the day.

We have a healthy snack shop in school for morning break-times where children can bring in up to £1.00 to buy a snack of their choice.

At lunchtime the children can either bring a packed lunch to school or have a hot meal provided by Chartwells. These meals need to be pre-ordered via their website:

<https://westsussex.mealselector.co.uk/>

Children in Year 1 eat lunch at 12.00.



**(01403) 210233**



**reception@leechpool.  
w-sussex.sch.uk**