

# YEAR 6

Allerton CE Primary School

# PARENT MAIL

## The week's learning

We have had some last minute cramming this week with in the run-up to SATs with lots of maths, reading and SPaG work happening in the Year 6 classrooms. In maths we have been continuing our work on shape and area.

Our work on our persuasive writing continues, with identifying features of a house advert that persuade a reader to buy it. We have also looked a new vocabulary suited to this genre of writing. We have used this knowledge to write and edit in partners as a collaborative style of writing.

## Foreign film night

The Cantonese film night on Thursday was very successful with lots of children attending. Keep an eye out for future film nights happening in school!

## SATS

As you know, next week the children in Year 6 will be completing their SATs tests. Please reassure your children that they do not need to worry or feel any pressure about them whatsoever. What aver the outcome, as long as they try their best there is nothing more we can ask for!. We will be opening the school at 8:20am for breakfast on the mornings from Tuesday to Thursday. There is no cost with toast, cereal and fruit provided.

Please note, the **Monday 14th May** will be a non-uniform day for Year 6 in celebration of finishing their assessments.

Date	Activity
Tuesday 9 May 2023	English grammar, punctuation and spelling papers 1 and 2
Wednesday 10 May 2023	English reading
Thursday 11 May 2023	Mathematics papers 1 and 2
Friday 12 May 2023	Mathematics paper 3

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## SATs revision

If you would like your child to do any further revision before SATs, please use the Maths and SPAG knowledge organisers sent home with your child. Mini Maths website is an ideal tool to practise arithmetic questions and TTRS to practise fluency with times tables.

## Reminder regarding home learning

6C and 6TC will now complete homework in homework books. These will be given out on a Friday and should be returned the following Thursday. Inside, there are a selection of tasks for your child to choose from. They should complete one each week in any order. Please see Google Classroom for further details.

6EC will continue with homework on Google Classroom.

ALL children must still complete homework on the online learning platforms (Sumdog, TTRS and Lexia). These are fantastic tools to practise those key skills in Maths and reading.

Pupils can record the times they read during the week in their planner and a parent/guardian can then sign they planner to confirm they have read at these times. Pupils will then bring their signed planners to the library sessions on Friday. Points up for grabs!

## Mobile phone reminder

Only pupils who walk home / to school alone are allowed a mobile in school. Please contact the school office to update permissions.

## Online Worry Monster

The KS2 worry box continues to be available at any time if your child wishes to share a worry. The link can be found on the Class Blog.

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## **Key Instant Recall Facts (KIRFs)**

KIRFs are designed to support the development of the mental skills that underpin much of the maths work in schools. They are useful when calculating, be it adding, subtracting, multiplying or dividing.

Each half term, children will be assessed on KIRFs that will be taught in school but also **need to be practised at home as well**. It is important that they know these facts thoroughly and can recall them instantly. Whilst children have a wide range of abilities in mathematics, the KIRFs are designed to be a set of facts that need to be learnt thoroughly as they build on each other year on year. **Again, we stress that the children must aim to know their KIRFs inside out, back to front and with instant recall.**

**We strongly encourage you to engage with your children in the learning of their KIRFs and find fun and practical ways to do this.** There are many online tools that you can use such as Times Table Rockstars, Daily Ten and Hit the button which can both be found through these web links.

**Daily Ten:** <https://www.topmarks.co.uk/maths-games/daily10>



**Hit the Button:** <https://www.topmarks.co.uk/maths-games/hit-the-button>



We know that, by internalising these key facts which have been carefully structured to build upon each other term by term, year by year, children will leave Allerton CE with a much stronger foundation of mathematical understanding to build upon.

We hope that you enjoy working alongside your children with this mathematics work. Should you have any questions about the KIRFs programme, please do not hesitate to contact the school.

See next page to view the KIRFs for this half term.

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### Multiplication and division vocabulary

Term	Definition	Example
factor	a number that divides exactly into another number	factors of 12 = 1, 2, 3, 4, 6, 12
common factor	factors of two numbers that are the same	common factors of 8 and 12 = 1, 2, 4
prime number	a number with only 2 factors: 1 and itself	2, 3, 5, 7, 11, 13, 17, 19...
composite number	a number with more than two factors	12 (it has 6 factors)
prime factor	a factor that is prime	prime factors of 12 = 2, 3
multiple	a number in another number's times table	multiples of 9 = 9, 18, 27, 36...
common multiple	multiples of two numbers that are the same	common multiples of 4 and 6 = 12, 24...
square numbers	the result when a number has been multiplied by itself	25 ( $5^2 = 5 \times 5$ ) 49 ( $7^2 = 7 \times 7$ )
cube numbers	the result when a number has been multiplied by itself 3 times	8 ( $2^3 = 2 \times 2 \times 2$ ) 27 ( $3^3 = 3 \times 3 \times 3$ )

### Roman numerals

1	I	100	C
5	V	500	D
10	X	1000	M
50	L		

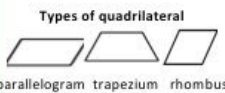
## YEAR 6 MATHS KNOWLEDGE ORGANISER

### 2D shapes

Name	No. of sides
quadrilateral	4
pentagon	5
hexagon	6
heptagon	7
octagon	8
nonagon	9
decagon	10

polygon = shape with straight sides  
 regular = all sides/angles the same  
 irregular = sides/angles not same

#### Types of triangle



scalene equilateral isosceles  
 parallelogram trapezium rhombus

#### AREA

is the amount of space inside a 2D shape usually measured in  $cm^2$  or  $m^2$ .

**Area of a triangle**  
 = (base x height)  $\div$  2  
**Area of a parallelogram**  
 = base x height  
*(Höhe = normal/die height)*

### Measurement conversions

Month	Days
January	31
February	28 (29 in leap year)
March	31
April	30
May	31
June	30
July	31
August	31
September	30
October	31
November	30
December	31

1 year = 365 days (= 52 weeks)  
 Leap year = 366 days

1 centimetre	10mm
1 metre	100cm
1 kilometre	1,000 m
1 mile	1.6 km
1 kilometre	0.625 ( $\frac{5}{8}$ ) mile
1 kilogram	1,000 grams
1 litre	1,000 millilitres

### Co-ordinates

Read co-ordinates along the x axis (horizontal) first, then the y axis (vertical). E.g. (3, -4) = go right 3, down 4.

### 3D shapes



faces (the flat sides)	5	4	5
edges	8	6	9
vertices (the points where the edges meet)	5	4	6

**Volume** = the amount of space a 3D shape takes up, usually measured in  $cm^3$  or  $m^3$



**Volume of a cuboid =**  
length x width x height

### The mean

The mean is a type of average. To find the mean, add up all the numbers and divide by how many there are. E.g. the mean of 4, 5, 3, 4 is 4.  
 (Because  $4 + 5 + 3 + 4 = 16$ , and  $16 \div 4 = 4$ )

### Fractions, decimals & percentages

$\frac{1}{100}$	0.01	1%	$\div 100$
$\frac{1}{20}$	0.05	5%	$\div 20$
$\frac{1}{10}$	0.1	10%	$\div 10$
$\frac{1}{5}$	0.2	20%	$\div 5$
$\frac{1}{4}$	0.25	25%	$\div 4$
$\frac{1}{2}$	0.5	50%	$\div 2$
$\frac{3}{4}$	0.75	75%	$\div 4, \times 3$
1	1	100%	$\div 1$

### Angles

full turn	$360^\circ$
half turn	$180^\circ$
right angle	$90^\circ$
acute angle	$< 90^\circ$
obtuse angle	$> 90^\circ$
reflex angle	$> 180^\circ$
angles on a straight line	$180^\circ$
angles inside a triangle	$180^\circ$
angles inside a quadrilateral	$360^\circ$

### Shape vocabulary

**perimeter** = measure around the edge (**circumference** = perimeter of a circle)

horizontal line	parallel lines
vertical line	perpendicular lines (at right angles)

Every child should have a copy at home. If they need another one, please ask.

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## **Reading**

Your child will be sent home with a reading book each week. It is really important that they read at home as this promotes progress in both Reading and Writing, plus widening their vocabulary understanding. Pupils are welcome to change their book more often than once a week if they wish. We also have access to Lexia for pupils to expand their reading skills further. Their usernames and passwords are the same as last year but these will be sent out again as reminders. <https://www.lexiacore5.com/register>

Please use their planners to record their reading at least 3 times a week with a parent signature. Dojo points on offer for correctly completed reading records!

## **Maths**

To help practise Maths skills at home, all pupils have access to Sumdog and TTRS. Again, these usernames and passwords are the same as last year.

Sumdog: <https://www.sumdog.com/us/>

TTRS: <https://trockstars.com/>

Please contact the school office should you have any queries:  
[office@allertonceprimary.com](mailto:office@allertonceprimary.com)

## **Links to Year 6 class blogs:**

Mr Clayton (6TC) - <https://6tc.aceprimary.uk/>

Mrs Curtis (6EC) - <https://6ec.aceprimary.uk/>

Miss Coope (6C) - <https://6c.aceprimary.uk/>

## **Year 6 Curriculum link:**

<https://primarysite-prod-sorted.s3.amazonaws.com/allerton-ce-primary-school/UploadedDocument/c47c8a66-3add-43d7-9729-a360c5212e92/master-year-6-long-term-plan-2022-2023.pdf>