

YEAR 6

Allerton CE Primary School

PARENT MAIL

The week's learning

This week, we have started our new science topic: Evolution and Inheritance. We will be exploring how species have adapted over time to suit their environment. We have started with looking at how the features of a polar bear are suited to the cold environment in which they live.

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 at 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.

As we begin a new term, our value has changed to wisdom. This is an ideal opportunity to discuss how wise choices have an impact on us, supporting our work on transition that will continue throughout the summer term.

Foreign film night

On Thursday 4th May, we will be hosting a foreign film night - this time a Cantonese film. This begins at 3:15pm - 4:30pm and costs £2.50. This includes a snack and drink. Please sign up on parent pay as soon as possible as places are limited.

SATS meeting

It was great to see so many of you at the SATs meeting on Monday. If you were unable to attend, below is the timetable for tests on the week commencing 9th May. We will be opening the school at 8:20am for breakfast on the mornings of SATs week. There is no cost with toast, cereal and fruit provided.

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



Types of quadrilateral



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 Höhe)

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

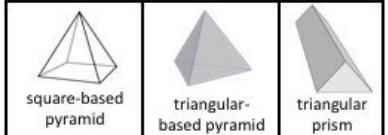
1 year = 365 days (= 52 weeks)
Leap year = 366 days

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

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

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>