Please scan the QR codes below to access a range of digital resources to support your child's learning at home.

Century	
Times Tables Rock Stars	
BBC Bitesize Primary	
Maths Frame	
Hit the Button	

Enderby Danemill Primary School

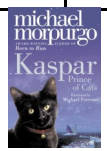
Parent Information Booklet

Spring 2024

Year 6

Danemill Primary School
Only the best is good enough.

	Spring 1	Spring 2
Overarching topic	**Frozen Kingdom**	**Frozen Kingdom**
Maths	Decimals Perimeter/Area Percentages Ratio Measurement Statistics Algebra	
Writing	Poems link to imagery Narrative—Sci-Fi linked to Arctic Journalistic Writing—Titanic	Explanation Text—Journey of HMS Titanic Revision
Science	Living things and their habitats	Living things and their habitats
History	Understand the knowledge of how the past is constructed using a range of sources—Titanic, Immigration in the early 1900s.	
Geography	Polar Regions 8 Compass Points and Ordnance Survey Maps	
R.E	Creation and Science: Conflicting or Complementary	What do Christians believe Christians did to save people?
Computing	Creating a web page	Spreadsheets
Art	All the Drama! Set designing.	All the Drama! Set designing.
PSHCE	How can the media influence people?	How can the media influence people?
Music	Refining sounds with my voice Performing with my voice	Using a variety of musical devices and sheets when creating music



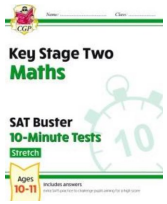
Year 5/6 Spelling Words

accommodate	correspond	identity	queue
accompany	criticise (critic + ise)	immediate(ly)	recognise
according	curiosity	individual	recommend
achieve	definite	interfere	relevant
aggressive	desperate	interrupt	restaurant
amateur	determined	language	rhyme
ancient	develop	leisure	rhythm
apparent	dictionary	lightning	sacrifice
appreciate	disastrous	marvellous	secretary
attached	embarrass	mischievous	shoulder
available	environment	muscle	signature
average	equip (–ped, –ment)	necessary	sincere(ly)
awkward	especially	neighbour	soldier
bargain	exaggerate	nuisance	stomach
bruise	excellent	occupy	sufficient
category	existence	occur	suggest
cemetery	explanation	opportunity	symbol
committee	familiar	parliament	system
communicate	foreign	persuade	temperature
community	forty	physical	thorough
competition	frequently	prejudice	twelfth
conscience	government	privilege	variety
conscious	guarantee	profession	vegetable
controversy	harass	programme	vehicle
convenience	hindrance	pronunciation	yacht

SATs Support

We will be starting a SATs Breakfast Club after February half term—please keep an eye out for further information.

This is to support your child with any gaps in their knowledge before they finish Key Stage 2.



Top tips for reading at home with your child

Please encourage your child to read their AR book (and other books that they enjoy) at home. They can then complete their AR quiz at school and change their book.

Please scan the QR code for more tips!

Maths Learning Support

Add and Subtract Mentally

Add and subtract three-digit numbers and ones, tens and hundreds.

376 + 3 = 379 **376 + 40 = 416** **376 + 200 = 576**

Mental Methods

Add and subtract numbers mentally with larger numbers.

15 672 – 3200 = 12 472

Estimate, Round, Levels of Accuracy and Inverse

Estimate by rounding to check accuracy: 54318 + 21298 = 54300 + 21300 = 75

Inverse: check 7932 – 3457 = 4475, by 3457 + 4475 = 7932

Multiplication Tables

Multiplication and division facts to 12 × 12

×	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	65
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

Multiplying and Dividing

Use place value and known facts: 400 × 5 = 2000, 630 ÷ 7 = 90

Multiply by 0 and 1 and divide by 1: 285 × 1 = 285, 285 × 0 = 0, 285 ÷ 1 = 285

Multiplying and dividing whole numbers and decimals by 10, 100 and 1000:

When multiplying or dividing a number by 10, 100 or 1000, keep the digits in the number together. When multiplying the number gets larger and when dividing the number gets smaller. The numbers will move in place value by the number of 0's.

45 × 10 = 450 **6.7 × 100 = 670** **902 × 1000 = 902 000**

59 ÷ 10 = 5.9 **4506 ÷ 100 = 45.06** **382 ÷ 1000 = 0.382**

Common Multiples, Factor Pairs, Common Factors and Commutativity

12 is a common multiple of 4 and 6, because 12 is a multiple of 4 and a multiple of 6.

All the factor pairs of 56 are 1 and 56, 2 and 28, 4 and 14, 8 and 7.

Use this to solve: 56 pencils are shared between 4 tables. How many pencils does each table receive?

The common factors of 32 and 56 are 1, 2, 4 and 8 because they are factors of both 32 and 56.

Commutativity means changing the order of the numbers in a calculation does not change the answer: 5 × 9 × 2 = 5 × 2 × 9 = 10 × 9 = 90

Prime Numbers

Prime numbers only have 1 and itself as factors.

Prime factors are factors of a number that are prime numbers: the prime factors of 21 are 3 and 7, the prime factors of 24 are 2 and 3.

Composite numbers are non-prime numbers: 4 is a composite number because 2 is a factor.

Recall the prime numbers to 19: 2, 3, 5, 7, 11, 13, 17 and 19

Square and Cube Numbers

The square numbers are 1, 4, 9, 16, 25, 36, 49, 64, 81, 100, 121, 144, 169, 196, 225,...

e.g. $3^2 = 3 \times 3 = 9$ $7^2 = 7 \times 7 = 49$

The cube numbers are 1, 8, 27, 64, 125,...

e.g. $2^3 = 2 \times 2 \times 2 = 8$ $5^3 = 5 \times 5 \times 5 = 125$

Wider Curriculum

We will have our next Forest School for Year 6 on the Thursday 11 January. Please make sure that your child brings an appropriate change of clothes and footwear for this.

Our topic this term is 'Frozen Kingdom'.

Maths • Can you create a symmetrical picture of a snowflake? Use a mirror to help you.	**Out and About** • Visit the local library to find some information about Ernest Shackleton or another explorer who has visited the polar regions. Or, you could find out about an animal that lives in the Arctic/Antarctic.	**English** • Research what life might have been like on board the ship Titanic. Can you find some pictures to go alongside your research? • Use a search engine to find a picture of a snowy scene. Can you create a description to go with it?
Working with Others • How much do your family and friends know about the polar regions? Create a fun quiz to test their knowledge!	Danemill Primary School Branching Out Homework Frozen Kingdom	**Expressive Arts** • Design a pair of snow boots for an Arctic explorer. • Use a range of snowy images to create a polar collage.
Getting Technical! • Create a poster or brochure for a new travel company which arranges visits to the Arctic or Antarctic. You could use Sway for this! Use powerful images and text to tempt customers who want an extra special trip.	**Health and Wellbeing** • Imagine you were going on an expedition. You would need to train in order to be fit enough to achieve this. Set yourself a fitness challenge: can you create your own obstacle course and time yourself completing it?	**Anything else...** • Can you find out about the effects of climate change on the Arctic and Antarctic?