






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

Autumn 2023

Year 6



	Autumn 1	Autumn 2
Overarching topic	Hola Mexico!	Darwin's Delights
Maths	Number and Place Value / Calculation and Number (4 operations)/ BODMAS/ Mental Calculations/ Fractions	
Writing	Persuasion – invitation to Day of the Dead party  Discussion text – deforestation in Mexico	Biography of Charles Darwin  Novel as a theme-The Explorer (setting description, letters from character, diary)  Poetry Free verse - Hook—sketches of animals in Darwin style (Polytunnel)
Science	Animals, including humans	Evolution and inheritance
History	A non-European society that provides contrasts with British history – <b>Mayan civilization c. AD 900</b>	
Geography	Physical geography, including biomes and climate zones Identify the position and significance of latitude, longitude, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/ Greenwich Meridian and time zones	
R.E	Why do Hindus want to be good?	What matter most to Humanists and Christians?
Computing	Computing systems and networks -Communication	Creating Media – 3D Modelling – Unit 2
Art	Mexican Artists	Portraits
PSHCE	How can we keep healthy as we grow?	How can we keep healthy as we grow?
Music	20th Century Music	20th Century Music

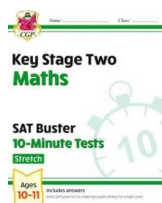


## Year 5/6 Spelling Words

accommodate	correspond	identity	queue
accompany	criticise (critic + ise)	immediately	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
conscientious	guarantee	profession	vegetable
controversy	harass	programme	vehicle
convenience	hindrance	pronunciation	yacht

## SATs Support

Our Year 6 SATs Evening will take place on Monday 27th November. Please come along for more information and the chance to order CQP books to support at home.



## 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.

$$376 + 3 = 379 \quad 376 + 40 = 416 \quad 376 + 200 = 576$$

### 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  $12 \times 12$

x	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	60
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:  $400 \times 5 = 2000$ ,  $630 \div 7 = 90$

Multiply by 0 and 1 and divide by 1:  $285 \times 1 = 285$ ,  $285 \times 0 = 0$ ,  $285 \div 1 = 285$

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.

$$45 \times 10 = 450 \quad 6.7 \times 100 = 670 \quad 902 \times 1000 = 902\ 000$$

$$59 \div 10 = 5.9 \quad 4506 \div 100 = 45.06 \quad 382 \div 1000 = 0.382$$

### 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:  $5 \times 9 = 9 \times 5$ ,  $2 \times 5 \times 2 = 5 \times 2 \times 5$ ,  $9 \times 10 = 10 \times 9$

### 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, ...

$$\text{e.g. } 3^2 = 3 \times 3 = 9 \quad 7^2 = 7 \times 7 = 49$$

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

$$\text{e.g. } 2^3 = 2 \times 2 \times 2 = 8 \quad 5^3 = 5 \times 5 \times 5 = 125$$

## Wider Curriculum

We will have our first Forest School of Year 6 on the 26th October. Please make sure that your child brings an appropriate change of clothes and footwear for this.

Our topic this half term is 'Hola Mexico'.

After October half term, we will be studying Charles Darwin for 'Darwin's Delights'.

Maths	Out and About	English
<ul style="list-style-type: none"> <li>Draw a replica model of HMS Beagle, making use of scale so that it is a true representation of the ship.</li> <li>Calculate the total distance travelled by Darwin on the HMS Beagle voyage.</li> </ul>	<ul style="list-style-type: none"> <li>Visit a museum to find out more about the importance of fossils.</li> <li>Visit a local park and take part in a great plant hunt, being a plant detective just like Darwin!</li> </ul>	<ul style="list-style-type: none"> <li>Write an explanation text to explain how animals such as polar bears, monkeys and sharks have evolved to suit their environment. Then, design a new fantastical creature that has evolved to suit its unique environment.</li> <li>Research HMS Beagle and design an informative poster to display the information you find.</li> </ul>
<p>Working with Others</p> <ul style="list-style-type: none"> <li>Create a true or false quiz about Darwin and his scientific expedition on HMS Beagle. Test your friends and family!</li> <li>Create your own Darwin's Delights word search using words that you have learnt during this topic. Challenge a grown up to solve your puzzle!</li> </ul>	<p>Denemill Primary School</p> <p>Branching Out</p> <p>Darwin's Delights</p>	<p>Expressive Arts</p> <ul style="list-style-type: none"> <li>Look at photographs of the different archipelago islands that Darwin visited. Design and draw your own archipelago island.</li> <li>Study Darwin's finches and create your own sketchbook by replicating his style.</li> </ul>
<p>Getting Technical!</p> <ul style="list-style-type: none"> <li>Visit the Natural History Museum website to learn more about Charles Darwin. Present your findings digitally!</li> <li>Visit the Great Plant Hunt website and be a plant-detective just like Charles Darwin!</li> </ul>	<p>Health and Wellbeing</p> <ul style="list-style-type: none"> <li>Write a recipe for a plant-based meal, following in Darwin's footsteps. With an adult, make the meal and ask friends/family to leave you a review!</li> <li>Take a walk around a local park and study nature around you, just like Darwin did. What do you notice?</li> </ul>	<p>Anything else...</p> <ul style="list-style-type: none"> <li>Create a fact-file of different fossil types.</li> <li>Find out more about other famous scientists who had an interest in evolution and inheritance, such as Alfred Wallace or Mary Anning.</li> </ul>