



# WELCOME TO UPPER KEY STAGE 2

Teachers: Mr Charlton, Mrs Jackson & Mr Louth  
LSAs: Mrs Weaver, Mrs Fenton & Mrs Mackenzie

# 2022-23 Topic Coverage

The Amazon  
Rainforest

Fair Trade

Ancient Greece

The Victorian Legacy

London and Rio de  
Janeiro

The History of  
Sindlesham

# PE KIT

PE will be twice a week. After much deliberation, we decided that children would come to school in their PE kit.

However, if children do not wear the correct PE kit then we will be forced to go back to changing in school.

Pine Marten -Monday and Thursday

Hedgehogs- Monday and Thursday

Wolverines- Tuesday and Thursday

- Yellow T-shirt
- Navy shorts
- Bearwood Jumper/cardigan
- Black trainers for outdoor PE
- Navy or white socks
- Navy Plain tracksuit for colder weather
- **Please make sure all clothing (including school uniform) is clearly named.**

# EXTRA INFORMATION

## Medical Lists

- If your child has any medical conditions or allergies, please make sure our records (and their medications) are up-to-date. Check this with the office.
- Children should not bring in any lip balms, hand gels or hand creams/sprays etc unless they have been approved by the office.

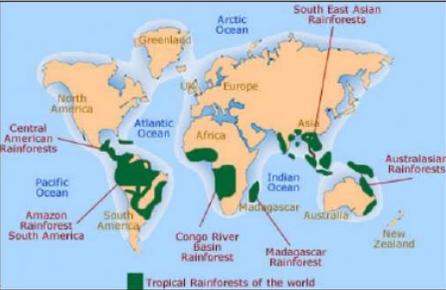
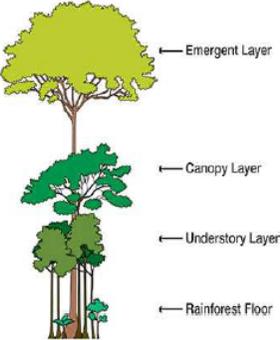
## Other information

- Children bring in their own **healthy** break time snack and water bottles.
- Whilst we welcome parents to speak to class teachers at the end of the day, please wait until all the children have been released to their parents.

What Are We Doing?



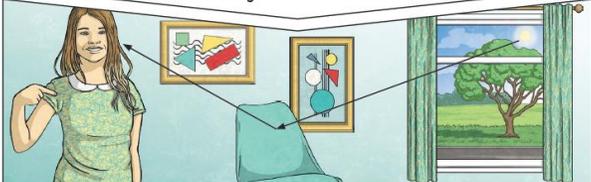
# Knowledge Organisers

Geography	Subject Specific Vocabulary	Layers of a Rainforest
 <p>Tropical Rainforests of the world</p>	<p><b>Deforestation</b> The cutting, clearing and removal of a large area of trees.</p> <p><b>Ecosystem</b> A community of plants and animals that depend on each other to survive.</p> <p><b>Endangered</b> A species that has been categorised as very likely to become extinct.</p> <p><b>Extinction</b> The extinction of a species of animal or plant is the death of all its remaining living members</p> <p><b>Indigenous</b> Indigenous people or things belong to country in which they are found.</p> <p><b>Biodiversity</b> Variety of plant and animal life in particular habitat, a high level of which is usually considered to be important.</p>	<p><b>Rainforest Layers</b></p>  <p><b>Emergent layer</b> -- the tops of trees that poke up above the rainforest canopy. It is very sunny here and is home to birds, butterflies and bats.</p> <p><b>Canopy layer</b> -- a dense layer of trees overlapping each other. Home to most animals in rainforests.</p> <p><b>Understorey layer</b> -- a tangle of shrubs, young trees and vines. It is hot and damp here and the air is very still.</p> <p><b>Rainforest Floor</b> -- mainly consisting of fallen leaves, fruit etc. that decomposes as food for trees.</p>
<p><b>Deforestation</b></p> <p><b>Causes of Deforestation</b></p> <ul style="list-style-type: none"> <li>To clear space for farming</li> <li>Chopping down trees for wood</li> <li>To build roads to mine for metals, gold and diamonds</li> <li>To dig for oil</li> <li>To flood areas to make dams and generate electricity</li> </ul> <p><b>Impact of Deforestation</b></p> <ul style="list-style-type: none"> <li>Half of the tropical rainforests we had have now gone</li> <li>28,000 species of animal are expected to become extinct the next 25 years</li> <li>Local people are forced to move home</li> <li>Levels of oxygen in the air are decreasing whilst carbon dioxide are increasing</li> </ul>	<p><b>Exciting Books</b></p> 	

Key Vocabulary	Key Knowledge
<b>light</b>	A form of energy that travels in a wave from a source.
<b>light source</b>	An object that makes its own light.
<b>reflection</b>	<b>Reflection</b> is when <b>light</b> bounces off a surface, changing the direction of a ray of <b>light</b> .
<b>incident ray</b>	A ray of <b>light</b> that hits a surface.
<b>reflected ray</b>	A ray of <b>light</b> that has bounced back after hitting a surface.
<b>the law of reflection</b>	The law states that the angle of the <b>incident ray</b> is equal to the angle of the <b>reflected ray</b> .

We need **light** to be able to see things. **Light** waves travel out from sources of **light** in straight lines. These lines are often called rays or beams of **light**.

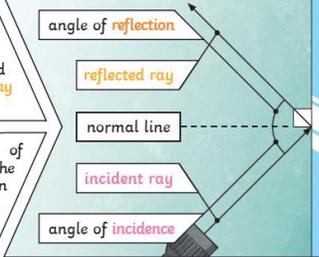
**Light** from the sun travels in a straight line and hits the chair. The **light ray** is then **reflected** off the chair and travels in a straight line to the girl's eye, enabling her to see the chair.



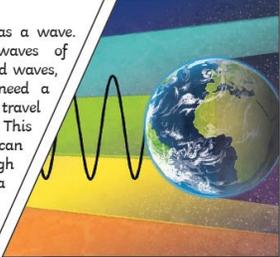
**The law of reflection** states that the angle of **incidence** is equal to the angle of **reflection**. Whenever **light** is **reflected** from a surface, it obeys this law.

The angle of **reflection** is the angle between the normal line and the **reflected ray light**.

The angle of **incidence** is the angle between the normal line and the **incident ray of light**.



**Light** travels as a wave. But unlike waves of water or sound waves, it does not need a medium to travel through. This means **light** can travel through a vacuum - a completely airless space.



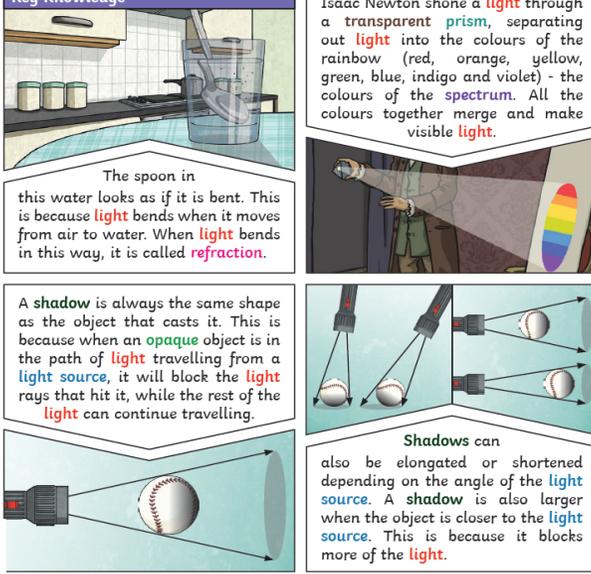
Key Vocabulary	Key Knowledge
<b>refraction</b>	This is when <b>light</b> bends as it passes from one medium to another. E.g. <b>Light</b> bends when it moves from air into water.
<b>visible spectrum</b>	<b>Light</b> that is visible to the human eye. It is made up of a colour spectrum.
<b>prism</b>	A <b>prism</b> is a solid 3D shape with flat sides. The two ends are an equal shape and size. A <b>transparent prism</b> separates out visible <b>light</b> into all the colours of the <b>spectrum</b> .
<b>shadow</b>	An area of darkness where <b>light</b> has been blocked.
<b>transparent</b>	Describes objects that let <b>light</b> travel through them easily, meaning you can see through the object.
<b>translucent</b>	Describes objects that things let some <b>light</b> through, but scatters the <b>light</b> so we can't see through them properly.
<b>opaque</b>	Describes objects that do not let any <b>light</b> pass through them.

Isaac Newton shone a **light** through a transparent **prism**, separating out **light** into the colours of the rainbow (red, orange, yellow, green, blue, indigo and violet) - the colours of the **spectrum**. All the colours together merge and make visible **light**.

The spoon in this water looks as if it is bent. This is because **light** bends when it moves from air to water. When **light** bends in this way, it is called **refraction**.

A **shadow** is always the same shape as the object that casts it. This is because when an **opaque** object is in the path of **light** travelling from a **light source**, it will block the **light** rays that hit it, while the rest of the **light** can continue travelling.

**Shadows** can also be elongated or shortened depending on the angle of the **light source**. A **shadow** is also larger when the object is closer to the **light source**. This is because it blocks more of the **light**.



# UKS2 Writing Expectations

## Piece F: Diary

This morning, 4<sup>th</sup> April in the year of our Queen 1866, I proceeded to the African grasslands (Kenya) in search for new examples of fauna and flora. May I say, I was astonished to meet the chameleons, which have only been seen once before in 1632!

As the sun rose, I managed to keep calm whilst standing amongst the most deadliest species of plant on this grassland. Interestingly, the plant was named the Octavian Gun Plant because, when threatened, it shoots out poison darts. Following this, I was alarmed to witness the venomous plant instantly kill a defenceless creature from just one touch. The most shocking aspect from this tragic death, was the permanent pain of the animal.

As the day carried on, I proudly stood next to the rare chameleons (only seen once before in 1632) which were all dressed alike and beautiful. I cannot say how extraordinary it was, to watch them all change their bright colours on their scaled skin; wine-red, astral-blue, buttery-yellow, emerald-green and so many more colours which I didn't know existed. My colleague, who inspired me to come on to join him on this journey and risk my life to find this animal

said, "This has been such an eye-popping journey and Lady Annie Hudson and I feel very brave to have set out on this journey alone."

Once the sun had set, my colleague and I proceeded back to the schooner as a destructive tsunami hit the rocky shore. The ship moved back and forth in time with my rapid heart thumps, and I ~~was~~ thought for sure that I wouldn't survive! Luckily, within a few minutes a life guard, who was in a hot air balloon, somehow managed to pull down a ladder and rescue us to safety.

Here I am exhausted, safe and in a dry ship, which the life guard gave to us since the schooner sunk. Tomorrow, I hope will be as action-packed as ~~today~~ today's has been!

## 100 Books To Try And Read Before You Leave Year 6

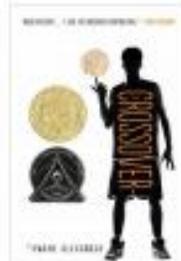


Matilda  
Roald Dahl



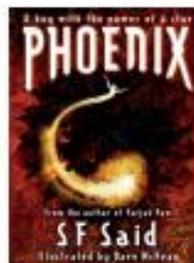
Kensuke's  
Kingdom

Michael Morpurgo



The Crossover

Kwame Alexander



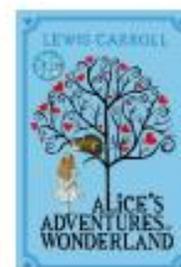
Phoenix

S F Said



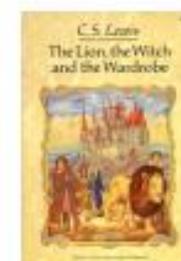
Charlotte's Web

E B White



Alice's Adventures in  
Wonderland

Lewis Carroll



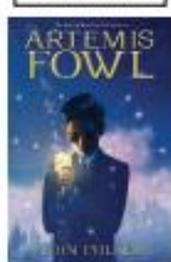
The Lion, the Witch  
and The Wardrobe

C.S Lewis



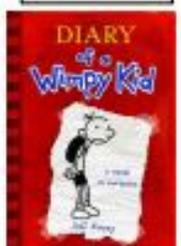
Stig Of The Dump

Clive King



Artemis Fowl

Eoin Colfer



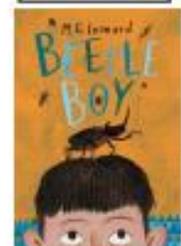
Diary Of A Wimpy  
Kid

Jeff Kinney



Five Children and  
It

E Nesbit



Beetle Boy

M G Leonard



Clockwork

Philip Pullman



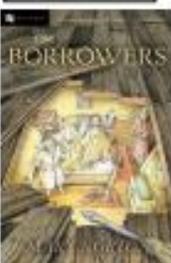
The Secret Garden

Frances Hodgson  
Burnett

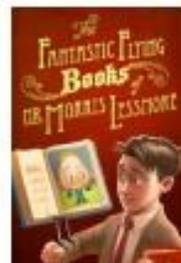


Wonder

R.J. Palacio



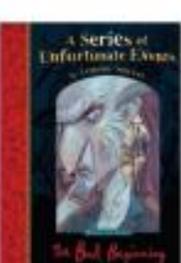
The Borrowers



The Fantastic Flying  
Books of Mr Morris  
Lessmore



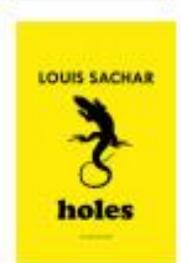
Skellig



A Series of Unfortunate  
Events



The Girl of Ink and  
Stars



Holes



# Complete Year 3/4 and Year 5/6 Spelling List

## Statutory Spelling List Assessment Grid – Year 3/4

### Checklist

Name: \_\_\_\_\_

Word	R	W	Word	R	W	Word	R	W
accident(ally)			circle			famous		
actual(ly)			complete			favourite		
address			consider			February		
answer			continue			forward(s)		
appear			decide			fruit		
arrive			describe			grammar		
believe			different			group		
bicycle			difficult			guard		
breath			disappear			guide		

## Statutory Spelling List Assessment Grid – Year 5/6

### Checklist

Name: \_\_\_\_\_

Word	R	W	Word	R	W	Word	R	W
accommodate			committee			embarrass		
accompany			communicate			environment		
according			community			equip (-ped, -ment)		
achieve			competition			especially		
aggressive			conscience			exaggerate		
amateur			conscious			excellent		
cient			controversy			existence		



Mathletics



 Accelerated Reader™

# Mathletics



## Achievement and improvement

Track the progress of your students



## Certificates

Download and print certificates



## Effort and participation

View students' points and certificates



## Activity and usage report

Download Mathletics data



## Student Reports

View Activity mastery, Skill Quests mastery, Participation and Live Mathletics reports



## PSR & Skill Quests Reports

Download Skill Quests and PSR usage



	10	2	5	3	4	8	6	7	9	11	12
10	10 × 10	10 × 2	10 × 5	10 × 3	10 × 4	10 × 8	10 × 6	10 × 7	10 × 9	10 × 11	10 × 12
2	2 × 10	2 × 2	2 × 5	2 × 3	2 × 4	2 × 8	2 × 6	2 × 7	2 × 9	2 × 11	2 × 12
5	5 × 10	5 × 2	5 × 5	5 × 3	5 × 4	5 × 8	5 × 6	5 × 7	5 × 9	5 × 11	5 × 12
3	3 × 10	3 × 2	3 × 5	3 × 3	3 × 4	3 × 8	3 × 6	3 × 7	3 × 9	3 × 11	3 × 12
4	4 × 10	4 × 2	4 × 5	4 × 3	4 × 4	4 × 8	4 × 6	4 × 7	4 × 9	4 × 11	4 × 12
8	8 × 10	8 × 2	8 × 5	8 × 3	8 × 4	8 × 8	8 × 6	8 × 7	8 × 9	8 × 11	8 × 12
6	6 × 10	6 × 2	6 × 5	6 × 3	6 × 4	6 × 8	6 × 6	6 × 7	6 × 9	6 × 11	6 × 12
7	7 × 10	7 × 2	7 × 5	7 × 3	7 × 4	7 × 8	7 × 6	7 × 7	7 × 9	7 × 11	7 × 12
9	9 × 10	9 × 2	9 × 5	9 × 3	9 × 4	9 × 8	9 × 6	9 × 7	9 × 9	9 × 11	9 × 12
11	11 × 10	11 × 2	11 × 5	11 × 3	11 × 4	11 × 8	11 × 6	11 × 7	11 × 9	11 × 11	11 × 12
12	12 × 10	12 × 2	12 × 5	12 × 3	12 × 4	12 × 8	12 × 6	12 × 7	12 × 9	12 × 11	12 × 12



# Accelerated Reader™

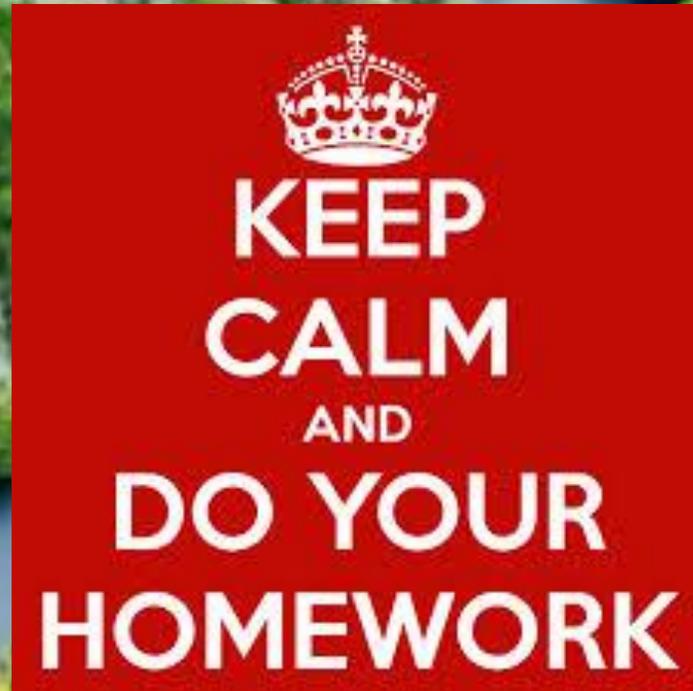
## Class: Wolverine

Student	Class	Teacher	Test Date	Rank	NRSS	PR	PR Range	RA	SS	ZPD	Est. ORF
	Wolverine	Louth, C	25/09/2020	14	104	61	53-70	10:06	587	3.7-5.7	
	Wolverine	Louth, C	25/09/2020	16	100	50	42-61	8:10	387	2.8-3.9	90
	Wolverine	Louth, C	25/09/2020	12	107	68	58-75	10:11	630	3.9-5.9	
	Wolverine	Louth, C	25/09/2020	20	83	13	8-18	8:03	313	2.4-3.4	
	Wolverine	Louth, C	25/09/2020	1	135	99	97-99	16:05	1287	5.0-12.9	
	Wolverine	Louth, C	25/09/2020	13	110	75	66-81	10:10	627	3.9-5.9	
	Wolverine	Louth, C	25/09/2020	15	108	70	63-77	9:09	498	3.2-5.1	115
	Wolverine	Louth, C	25/09/2020	8	121	92	87-95	11:08	718	4.2-6.6	158
	Wolverine	Louth, C	25/09/2020	10	110	75	66-81	11:01	651	4.0-6.2	
	Wolverine	Louth, C	25/09/2020	21	89	23	18-32	8:00	286	2.3-3.3	66
	Wolverine	Louth, C	25/09/2020	11	113	81	73-87	10:11	636	4.0-6.1	143
	Wolverine	Louth, C	25/09/2020	17	89	23	18-30	8:08	367	2.7-3.8	
	Wolverine	Louth, C	25/09/2020	3	117	87	81-92	12:07	829	4.4-7.4	
	Wolverine	Louth, C	25/09/2020	4	118	88	82-92	12:06	823	4.4-7.4	
	Wolverine	Louth, C	25/09/2020	6	117	87	82-92	12:05	815	4.4-7.3	
	Wolverine	Louth, C	25/09/2020	22	84	14	10-19	7:10	268	2.2-3.2	62
	Wolverine	Louth, C	25/09/2020	5	123	94	88-96	12:06	820	4.4-7.4	190
	Wolverine	Louth, C	25/09/2020	9	119	90	84-94	11:02	666	4.1-6.3	148

Reading every night

Time Table Rockstar

Accelerated  
Reader



Mathletics

Research the Topic

# ATTENDANCE

Attendance during one school year	Equals so many days absent	Which is approximately so many weeks absent	Means this number of lessons missed
95%	9	2 weeks	50
90%	19	4 weeks	100
85%	29	6 weeks	150
80%	38	8 weeks	200
75%	48	10 weeks	250
70%	57	11.5 weeks	290
65%	67	13.5 weeks	340

# SATS WEEK

## Key stage 2

The key stage 2 tests are timetabled from Monday 8 May to Thursday 11 May 2023.



KEEP  
CALM  
IT'S  
ONLY  
SATS



PGL » Adventure Holidays » Centres » Marchants Hill

# ADVENTURE HOLIDAYS AT MARCHANTS HILL

Surrey

Over 20 activities on-site

Woodland setting on the edge of the 'Devils Punchbowl'

Close to London

8-10 10-13 13-16



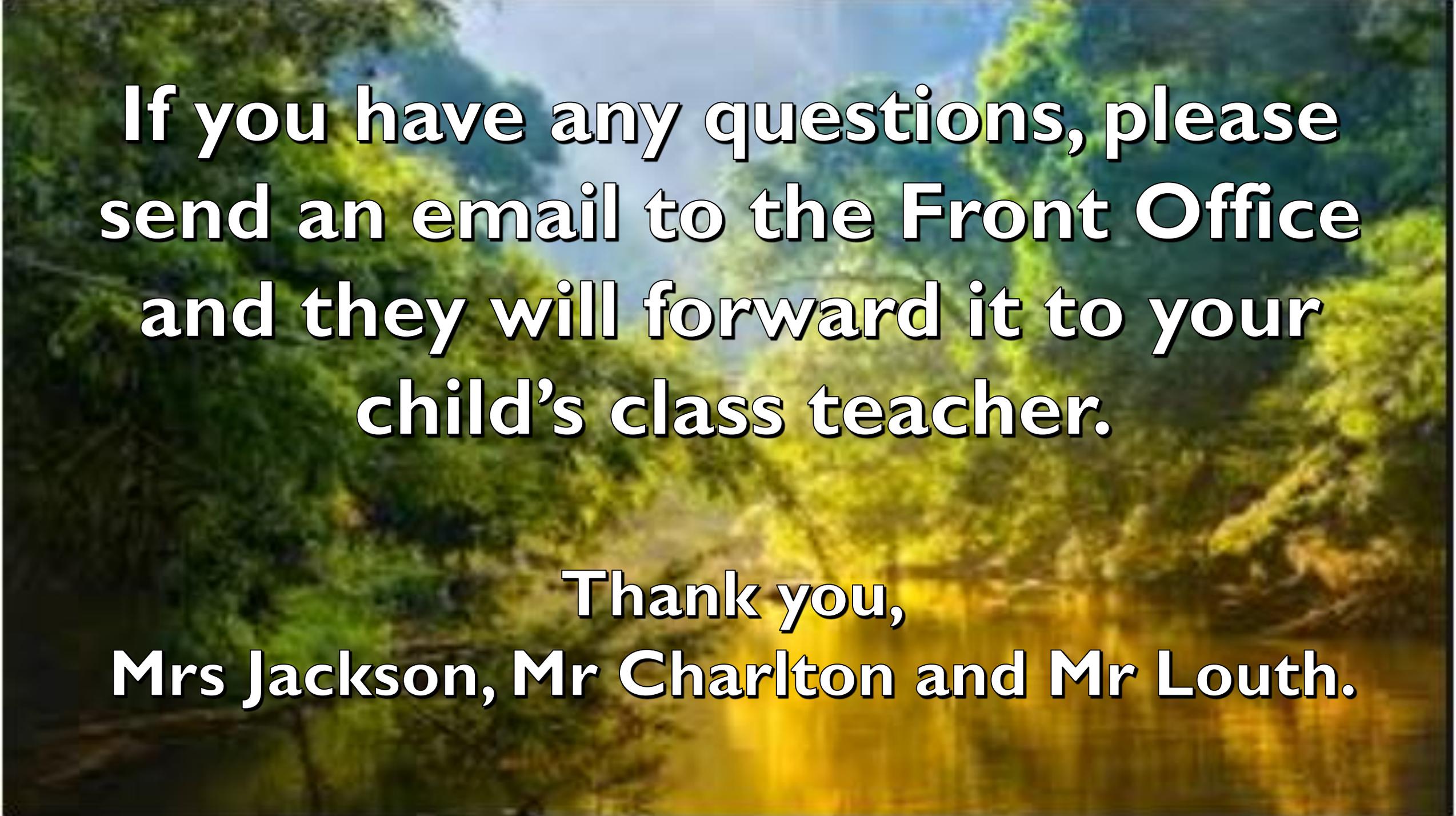
Experience our virtual tour of Marchants Hill

Marchants Hill is set in a beautiful location in Surrey

Search for Holidays

<https://www.pgl.co.uk/en-gb/adventure-holidays/centres/marchants-hill>

19<sup>th</sup> June-24<sup>th</sup> June



**If you have any questions, please  
send an email to the Front Office  
and they will forward it to your  
child's class teacher.**

**Thank you,  
Mrs Jackson, Mr Charlton and Mr Louth.**