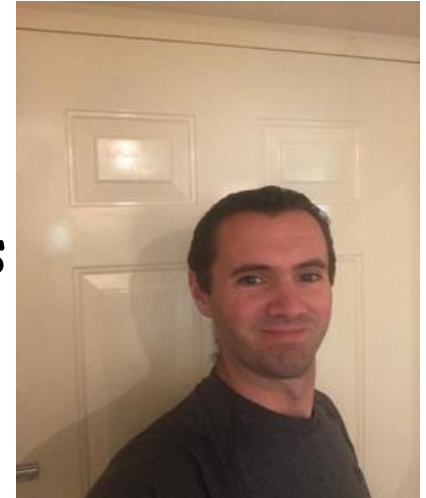


Welcome

Dear Kahlo and Riley classes,
I hope that you and your families are well. I really do miss teaching you PE; it is certainly a lot quieter at the moment. Each week, 'Physical Activity' slides are sent home as part of the 'Home Learning'. The activities are adapted so you can do them in a small space. There are lots of fun challenges in there so do take a look. Don't worry if you don't have the exact equipment - you can be creative with what you use. I hope you are staying active and having the opportunity to enjoy the great outdoors. Try and exercise every day as it is really important for your physical and mental health; even a short walk would be good. I recommend that you are physically active for 60 minutes per day (Examples of safe and socially distanced ways to stay active: are walking, running, cycling, workouts and skipping). It is great to see the keyworker children and those in Reception, Y1 and Y6. However, I can't wait until the whole of the King Athelstan Community is back together again. We can look forward to lots of exciting events next academic year like international day and sports day.



Welcome

As you are aware, the KS2 playground is currently under construction. I am really excited about the running track. This is a great addition, as it means there is no more running the 'mile run' in muddy conditions. I think your parents/carers will definitely appreciate not having to wash muddy PE kits!

It is an incredibly strange time at the moment and it has certainly taken some time to adjust to the new way of life. Throughout lockdown, I have tried to keep some sort of normality and have been walking, running and cycling most days. One thing I miss is seeing friends and family but I have stayed in contact via Zoom and it is great to see everyone virtually. Apart from missing teaching all of you, I have really missed watching live sport so it is great to see this gradually returning to our screens. I love the buzz and excitement which comes with it, although it is strange watching football without fans.

Try and remain positive, we are thinking of all of you at this difficult time.

Looking forward to seeing you all soon.

Take care of yourself and all of those around you.

From Mr Mc Laughlin

Dear Kahlo class,

It was great to get to see and speak with most of you this week; it really made me so happy! When we were on our Zoom call, I thought it would seem really futuristic to people living 100 years ago - I don't think they'd believe it was possible! Next week's Zoom is on Friday - hope to see you all there!

This week, my 3 nieces all had 'strange bird encounters.' Two of them (who are sisters), spotted a PINK pigeon on their roof and my other niece was joined up a tree by a peacock in Kew Gardens! Photos attached. Have you seen anything strange during Lockdown? Maybe the birds are getting bolder because it's quieter...dyeing your feathers pink is going a bit far though... (hahahaha!....)

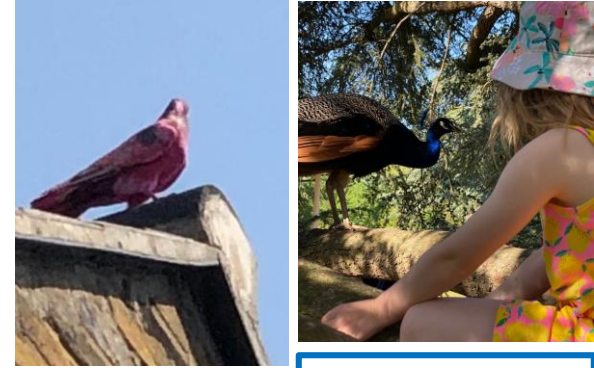
My cousin is adopting a dog called Reginald - doesn't he look grumpy?! I can't wait to meet him though.

I'm enjoying (socially distanced) meet-ups with friends and family now; it's made me much happier and more lively. For Father's day, I visited my dad in his garden and we cooked him a BBQ and I gave him the very original gift of....socks!

I continue to cycle a lot, read, read, read, do a little bit of painting still and, lately, I have taken up Pilates (it looks so easy but it's actually really hard- especially doing lessons on Zoom!)

I hope you're all staying active and being kind and READING loads too! Sending all my best wishes to you and your families, From Miss Meggitt xxx

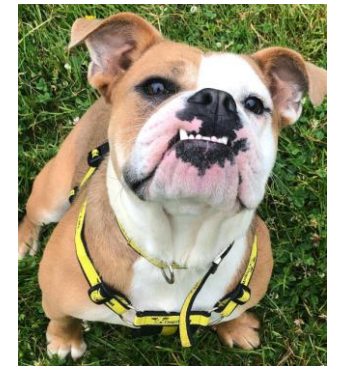
Welcome



Strange birds!



Funky socks for Father's day



Meet Reginald!

Did you get it right?

It was a close-up of the nib of a Whiteboard marker pen!



This week's close-up!

Have a go at guessing what this is a close-up photograph of...remember to give reasons for your answer.

Thinking prompts:

Man-made or natural?

Edible or not?

Dead or alive?

Does the colour give a clue?

Animate or inanimate?

Every day item or

unusual?



Welcome

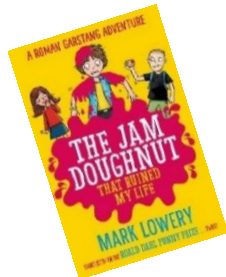
Dear Riley Class,

It was wonderful to see so many of you in our zoom meeting. I was really cheered up by your smiling faces and hearing all your voices again. If you didn't have a go at speaking, we will be having another zoom meeting next week on Tuesday (details to be confirmed and will be sent to your parents) and you can have a go then. If you didn't join the meeting please try next time - we missed you! I particularly liked hearing about what you have been up to and your recommendations of what of what other activities your friends could try in their time at home. We shared how Morgan's terrarium has progressed, Grace's art course, Umnya and Amelie's baking and Ben's recommendation of the dunes at Teddington. If you have a suggestion of something different for a friend to try, share it with us!

Remember to keep being kind to your families and read every day. 😊

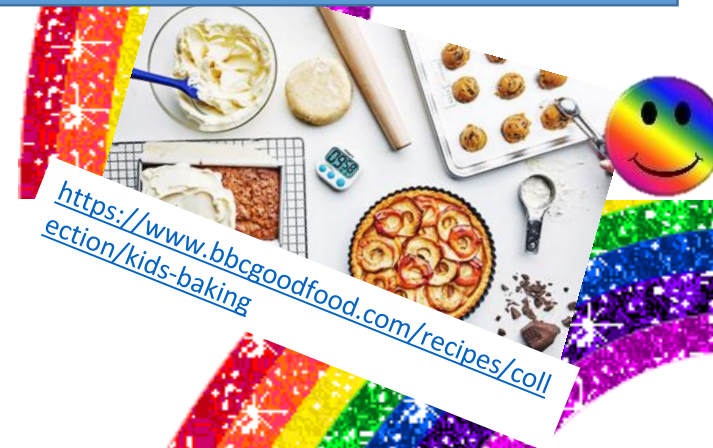


from Mrs Ross xxx



How to build a terrarium:

<https://climatekids.nasa.gov/mini-garden/>



<https://www.bbcgoodfood.com/recipes/collection/kids-baking>

Book Recommendations:

The Cherub Series by Robert Muchmore

The Christomanci Series by Dianna Wynne Jones

We Won an Island by Charlotte Lo

Gone Series by Michael Grant

Zoom Circle Time sessions

We have loved seeing you during our Zoom sessions in year 6. It makes such a difference to see your smiley faces! 😊

We were sad to have missed those of you who were unable to join us last week and we really hope you can make the session for your class this week.

We are keen that everyone is making the most of staying in touch even though we can't be in the same physical space at the moment. Seeing your friends and communicating with others is really good for your mental and emotional wellbeing. The details of this week's Zoom lessons are:

Riley Class: Tuesday 30th June at 2pm.

Kahlo Class: Friday 3rd July at 2pm.

You have been emailed the log in details and just need to pop these in when prompted from the Zoom website.

We can't wait to see even more of you this week!

Mrs Ross and Miss Meggitt

Answers to last week's jokes and riddles - check out the next slide for new ones this week!

It loses its head in the morning but gets it back at night. What is it? **Ans: A pillow**

What can make an octopus laugh? **Ans: Ten tickles!**

How do you make the number one disappear? **Ans: Add an 'n' to the beginning to make it 'None.'**

It gets broken without being held. What is it? **Ans: A promise**



A monkey, a squirrel, and a bird are racing to the top of a coconut tree. Who will get the banana first, the monkey, the squirrel, or the bird? **Ans: None - bananas don't grow on coconut trees**

What did the beach say when the tide came in? **Ans: "Long time, no sea" (see)**

The more you take away, the larger it becomes? What is it? **Ans: A hole**

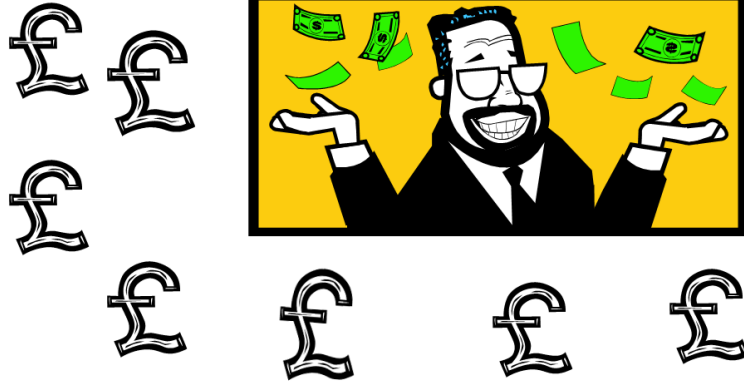
If I have it, I do not share it. If I share it, I don't have it. What is it? **Ans: A secret**

It is always coming but never arrives? What is it? **Ans: Tomorrow**

We see it once in a year, twice in a week, and never in a day. What is it? **Ans: The letter 'E'**

Try these 'Thunks' out on people at home - remember there are no wrong answers but make sure you give reasons for yours and discuss the different opinions and ways of looking at them.

If I borrow a million pounds, am I a millionaire?



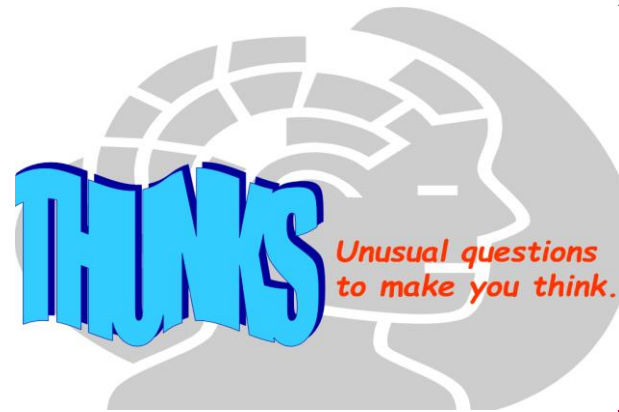
Is a millionaire who is marooned on a desert island still a millionaire?



If you could take a pill that would make you always happy, would you?



If a rabbit ran in front of my car, should I feel guilty for hitting it?



Wellbeing Activity

Marcus Rashford
is an **inspiration**

To be **inspired** is great, but to be an **inspiration** is an honor.

Year 6: Who has inspired you at King Athelstan?



Year 6, have a think about all the years you have attended King Athelstan Primary School.

Who has **inspired** you, **supported** you, **believed** in you?

Write a letter to that person telling them what makes them an **inspiration**.

You can e mail it in to:

admin@kingathelstan.rbksch.org

Remember, even though you are 'moving on' at the end of this year, you will always be part of the **King Athelstan Family**.



- The cost of food more than doubled during the war years.
- Lots of food was sent away to feed soldiers fighting in the war.
- There was less food arriving because ships carrying supplies were attacked by German submarines.
- Fresh fruit, vegetables, meat and bread were hard to find. There were long queues outside shops.
- In 1918 new laws set by the government introduced rationing. Find out more.....



CLICK
HERE
↓

<https://www.bbc.co.uk/bitesize/topics/zqhyb9q/articles/z8kv34j>



Topic Activity

How does cooking during the war compare to cooking today?



Try making these WW2 biscuits. Then write a food review about how the biscuits tasted. Do they compare to any biscuits you eat today?



Ingredients

- 2 1/2 oz margarine
- 1 oz sugar
- 2 tbs honey
- 6 oz self raising flour or 6 oz plain flour and 3 tsp baking powder
- 1 tsp cinnamon
- pinch of salt

Cream the margarine and sugar. Add the honey, work in the flour, cinnamon and salt. Roll out until 1/4 inch thick. Cut into rounds, place on a baking sheet, and bake in a moderately hot oven for 10 minutes. This quantity makes 40-50 biscuits.

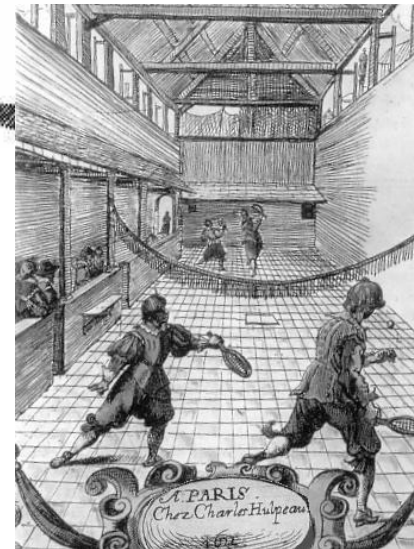
French Activity



You have been learning about sports in French. Some sports' names sound and look English. (football, baseball, rugby) because they were invented in England or in English speaking countries. But did you know that some sports were invented in France.

Here is a list of them. Pick one and create a small poster about it. (Of course you don't need to write it in French)

- La pétanque
- Le parkour
- La savate (boxe française)
- Le jeu de paume



Tell us:

1. The name of the sport.
2. Where it comes from.
3. Do we play it in England?
4. How is it played?
5. When was the last competition and who won?
6. Add pictures to illustrate your poster.

Art Activity



Summer Art



Card works best for this, especially if you are painting or sticking – you could use an empty cereal box.

What a scorcher of a week! To celebrate the lovely sunshine we've been having, have a go at creating a 'flip flops by the sea' picture.

Sea

For the sea you could use blue and white paint or crayons, or strips of blue and white paper. Try to create a wavy pattern to look like the sea.



Sand

For the sand you could use yellow crayons or paint, torn up pieces of yellow paper or crushed up cereal such as cornflakes or rice crispies.



Flip flops

To create your template, draw roughly round your feet – no toes needed! Then cut out.

Consider your design first, then colour and decorate your flip flops. You could draw or stick on the straps. Make them as colourful and funky as you like!



Music Activity



This week we are going to find out about a composer and listen to some classical music! Yes – Classical!

Florence Price

Florence Price was the first African-American woman to have a piece performed by a major symphony orchestra.



Try the Juba Dance!

Listen to the whole piece. How does it make you feel?



Watch this video to find out more about her.



<https://www.bbc.co.uk/teach/ten-pieces/classical-music-ks2-florence-price-symphony-no1/zr48gwx>

<https://www.bbc.co.uk/teach/ten-pieces/classical-music-ks2-florence-price-symphony-no1/zr48gwx>

*I wasn't sure if I liked classical music that much but really enjoyed listening to this piece of music. I even had a little dance around my living room! 😊 What did you think?
Remember it's always good to try out new things – You might surprise yourself!*



Physical Activity



Athletics - Push Throw

- In athletics there are both track and field events. You are going to focus on a field event.
- You are going to learn the push throw which links to shotput.

Key Points:

- Feet in opposition.
- Bent to straight arm.
- Acceleration of push (arm is stationary to its fastest speed at the point of release).
- You can practise throwing different sized balls.

Challenge

- See who can throw the object the furthest.
- Try and hit targets.

Technique

- How can you adapt your tech the object further?



Keepy Uppies

- You will need a ball or other similar object for this activity.
- Drop the ball/object to your foot and see how many times you can volley it.
- You can also use your knee, thigh or head to do the Keepy Uppies.
- How many times can you do it in a row?

Key Points

- Watch the ball.
- Focus on balance.

Challenge

- Challenge a sibling or parent/carer to see who can complete the most amount of Keepy Uppies.
- Try this challenge each day, see if you can beat your record from the day before.



Hi guys, I hope my slides are helping you stay active! Hopefully see you all soon!
Mr McLaughlin



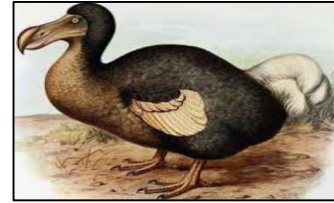


Science Activity

Maladaptation

Why are polar bears white?

Adaptation



The dodo, with no predators, had adapted in a number of ways (it was a bird that could not fly) that made it impossible to survive when humans arrived on the island of Mauritius.

Watch these videos: <https://www.bbc.co.uk/bitesize/clips/zbp6n39>

<https://www.bbc.co.uk/teach/class-clips-video/science-ks2--ks3-how-animals-have-adapted/z4y76v4>

<http://www.bbc.co.uk/earth/story/20160408-how-humanity-first-killed-the-dodo-then-lost-it-as-well>

All organisms, including animals, possess **adaptions**. **Adaptations** are traits (features) which make an individual more likely to survive and reproduce.

Sometimes, changes that offspring have from their parents are advantageous - they allow the offspring to cope better in the environment. However, often the changes are not advantageous (called **maladaptation**).

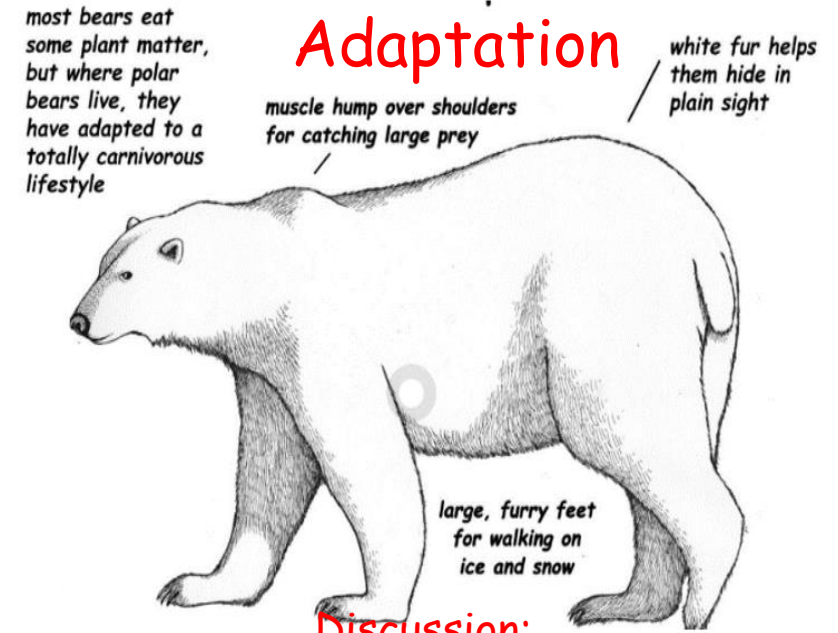
When this is the case, the offspring will find it difficult to thrive.

Individual animals with beneficial adaptations tend to survive and pass them on to their offspring, while individuals without them tend not to reproduce. This can cause population to develop new traits and change over time. This is called **evolution by natural selection**.

For example many polar animals have adapted to possess layers of blubber and/or fur (for warmth) and white outer coats (for camouflage).

And on the Galapagos Islands, **Charles Darwin** found differences between finches from island to island. They had adapted for the different foods that they eat. Watch this video about Darwin's finches:

<https://www.youtube.com/watch?v=l25MBq8T77w>



Discussion:

Evolution by natural selection is when beneficial traits build up in a population over time. Why don't harmful traits build up in a population over time?

Adapted to Warm Environments

<https://www.youtube.com/watch?v=l25MBq8T77w>

Adapted to Cold Environments

Camels



Fennec Fox



Kangaroo



Penguin



Seal



Polar Bear





Science Activity

The Activity:

Look at the animals on the following pages. Identify three adaptations for each animal. Describe each adaptation and explain how it provided a survival advantage to the animal.

Description of adaptation

Survival advantage



Polar Bear

Description of adaptation

Survival advantage

Description of adaptation

Survival advantage



Science Activity

The Activity:

Description of adaptation

Survival advantage



Barn Owl

Description of adaptation

Survival advantage

Description of adaptation

Survival advantage



Science Activity

The Activity:

Description of adaptation

Survival advantage



Penguin

Description of adaptation

Survival advantage

Description of adaptation

Survival advantage

Audio Books For Free



Year 6: This week, we're looking in to myths:

https://stories.audible.com/pdp/B0076ANSR4?ref=adbl_ent_anon_ds_pdp_pc_pg-1-cntr-0- You may know some already, but this collection will introduce you to new ones too. There is a lot of new vocabulary to listen out for, so have a dictionary ready! Or note down new words to look up afterwards:

<https://dictionary.cambridge.org/> Write a list of new words and definitions in your workbook.



Ask people at home if they know these myths. What myths have you previously learnt in school or at home? How do myths relate to today? What do you think the purpose of a myth is? - what did the writer/ teller wish to do through their work?

myths that every child should know
a selection of the classic myths of all times for young people



Remember to keep using the links at the bottom of page to explore new texts and enjoy listening to books being read aloud
(You many need to open in Google Chrome.)

This week's story time is Miss Meggitt reading the next part of 'The Jam Doughnut That Ruined My Life' by Mark Lowery.

<https://www.kingathelstan.kingston.sch.uk/covid-19-home-learning/story-time/story-time-videos-29-6-20/>

 Click here to get started



<https://stories.audible.com/start-listen>

<https://www.worldofdavidwalliams.com/elevenses/>

<https://www.allyoucanbooks.com/>

Computing Activity



This week, explore BBC Bitesize <https://www.bbc.co.uk/bitesize/subjects/zvnrq6f>. There are plenty of activities to help you learn about **Computer Science**, **Digital Literacy** and **Information Technology**. The topics with pictures below are just a taste of what is on offer:

Computer science >



What is computer science?



What is decomposition?



How do we get computers to do what we want?

Digital literacy >



Different ways to communicate online



What are viruses and malware?



Should I trust everything I read on the web?

Information technology >



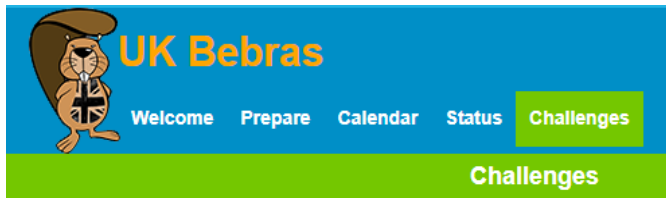
Dance Mat Typing



What is a database?



How to create digital video and audio



Remember to keep challenging yourself with logic problems on the Bebras website:

https://challenge.bebras.uk/index.php?action=user_competitions

We also want you to go on Times Tables Rockstars regularly:

<https://ttrockstars.com/> Go on it each day and see if you can get better over just five days!

2018 Challenge

Available Groups:

- Kits (age 6-8)
- Castors (age 8-10)
- Juniors (age 10-12)
- Intermediate (age 12-14)
- Seniors (age 14-16)
- Elite (age 16-18)



Remember to keep putting work on J2e so that we can look and comment on what you have been up to!

Our weekly reading comprehension questions might inspire you to look up the books they're based on - perhaps you can find some of them online?

Reading Activity



'The Girl of Ink and Stars' by Kiran Millwood Hargrave

Forbidden to leave her island, Isabella dreams of the faraway lands her cartographer father once mapped. When her friend disappears, she volunteers to guide the search. The world beyond the walls is a monster-filled wasteland - and beneath the dry rivers and smoking mountains, a fire demon is stirring from its sleep. Soon, following her map, her heart and an ancient myth, Isabella discovers the true end of her journey: to save the island itself.

Beautiful, thrilling and magical, Kiran Millwood Hargrave's debut novel has all the makings of a modern classic.

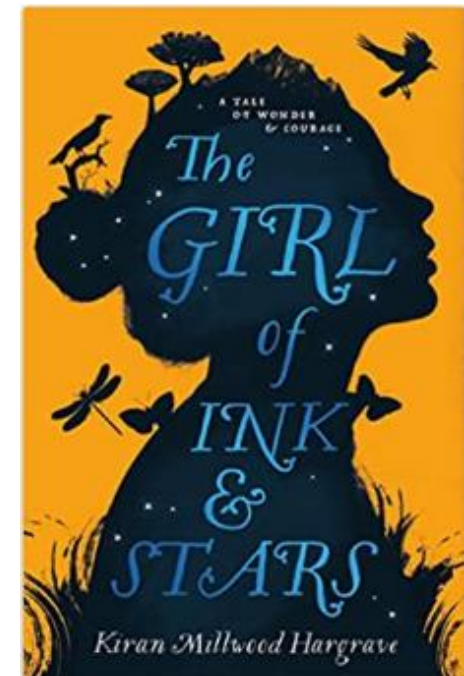
1. Using the text, work out what job a 'cartographer' does.
2. From reading the blurb, what genre is this fictional book written in, do you think?
3. What does Isabella learn about the world beyond the walls?
4. What 3 things does Isabella use to guide her in her quest?
5. What does the review at the bottom mean by 'modern classic'?

Thinking point:

Is this a book you would pick up in a library and bookshop? Why/ why not?

If you read the blurb, would you want to borrow or buy this book to read?

If you are in school this week we will be doing this in class!



Chapter One

They say the day the Governor arrived, the ravens did too. All the smaller birds flew backwards into the sea, and that is why there are no songbirds on Joya. Only huge, ragged ravens. I'd watch them perch on the rooftops like omens, and try to squint them into the chaffinches and goldcrests Da drew from memory. If I imagined hard enough, I could almost hear them singing. 'Why did the songbirds leave, Da?' I'd ask. 'Because they could, Isabella.' 'And the wolves? The deer?' Da's face would darken. 'Seems the sea was better than what they were running from.' Da would tell me another story then, about the girlwarrior Arinta, or about Joya's mythical past as a floating island, and refuse to say more about the wolves and the backwards birds. But I kept asking, until the day came when I found my own answers.

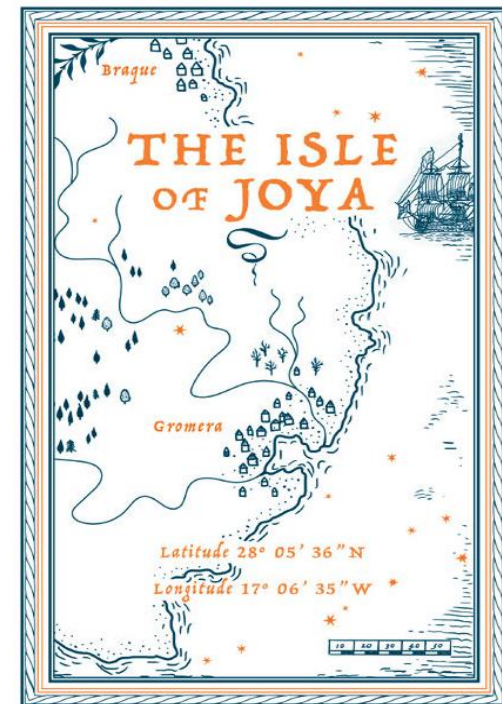
The morning it began was like any other.

Answer these questions

- 1.) Why are there no songbirds on the island of Joya?
- 2.) What are omens?
- 3.) Why do you think the narrator squints to try and make the ravens appear to be chaffinches and goldcrests?
- 4.) Why does Da tell Isabella about the girlwarrior Arinta and Joya's mythical past, instead of answering her questions in more detail? How do you know this?
- 5.) How does the author make you want to read on?

Grammar focus:

- 1.) Find and copy a word that means the same as 'bedraggled.'
- 2.) Find and copy the sentence which shows that Da is thinking about sad things.
- 3.) What does the word 'mythical mean'?
- 4.) List all of the conjunctions in this extract of chapter one.



Task: Writing a Thank you letter

Writing activity



If you are coming in to school, we may be doing this in class at some point – ask your teacher about which ones to do at home.

Introduction to the task: Think about someone who has helped you during Lockdown.

It might be someone at home for helping you with your learning; it might be someone at school; it might be a friend for staying in touch; it might be someone who has helped in the community (your local shopkeeper, your postman, a healthcare worker, a police officer, the people who collect your bins, etc.)

You will be showing your appreciation by writing a nice letter of thanks and encouragement! Make sure you actually give your letter to the person – it will make them smile! Our letter of thanks is on the next page as a 'model text' to help you (and to, hopefully, make you smile!)

Top tips:

Date your letter

State who you are and your reasons for writing at the beginning (in the first paragraph - think 5 Ws)

Fill the body of the letter with 3 or 4 reasons for your gratitude and use emotive language, modal verbs, adjectives and relative clauses to add detail to the affect their actions have had

End letter nicely with a final thank you and a hope for the recipient's happiness.

Sign off with your name

- ✓ using paragraphs to organise ideas
- ❑ describing settings and characters
- ✓ using different verb forms mostly accurately
- ✓ using capital letters . ? ! , (for list) ' for contraction
- ✓ spelling most 3/4 words and some 5/6 words

- ❑ creating atmosphere
- ❑ dialogue to convey character/advance action
- ✓ select appropriate vocabulary and grammatical structures
- ✓ co-ordinating & subordinating conjunctions/synonyms/adverbials
- ✓ using passive and modal verbs
- ✓ vary sentence length + embedded clauses
- ❑ adverbs/preposition phrases/expanded noun phrases
- ✓ " " . , ! ? ... : ; ice-cream (hyphen) - dash
- ✓ Most 5/6 words

65 Ways to Say "THANK YOU"

😊 Thanks
😊 Many thanks
😊 Thanks a lot
😊 Thanks a bunch
😊 Thank you very much
😊 It's very kind of you
😊 I really appreciate it
😊 Thank you for everything
😊 I owe you one
😊 You saved my day
😊 I'm so grateful
😊 Thanks a million



😊 Thanks for everything
😊 Thanks so much
😊 I can't thank you enough
😊 You're great
😊 I appreciate your time
😊 A million thanks to you
😊 How thoughtful of you!
😊 I'll forever be grateful
😊 I truly appreciate you
😊 This means a lot to me
😊 I owe you big time
😊 You're too kind
😊 Thanks a ton



You are an angel
You are the best
This means a lot to me
You have my gratitude
You made my day
I really appreciate your help
Consider yourself heartily thanked
I cannot express my appreciation
How can I ever possibly thank you
All my love and thanks to you
Accept my endless gratitude
All I can say is, Thanks!
You're a life saver



Focus on the targets with ticks ✓ for this task.

L.O: I can write a letter

- ❑ : ; - - , () " " ...
- ❑ Introduction (5Ws)
- ❑ Reasons (conjunctions)
- ❑ Relevant vocabulary

29th June 2020To help you...and because we mean it!

Dear year 6,

We are your teachers at King Athelstan Primary School, and we are writing to thank you for all of your hard work at this challenging time during Lockdown in March, April, May and June! We admire the way that you have all stayed so positive and have loved seeing the work you have sent in; keep it up!

Our favourite part of school during Lockdown has been seeing you or speaking with you. It's been very different not having our classes of 30 but hearing your voices full of news and funny jokes and stories, or seeing you at school laughing with friends, has brightened our days.

Teachers have a very different way of working at the moment; we are spending a lot more time on our computers in front of screens and 'attending' Zoom meetings online. This is all quite challenging and we have had to adapt, which has been a steep learning curve. We have certainly been in the 'Learning Pit' a LOT! What has been amazing about you year 6 pupils is that you have adapted to changes much faster than we have. You have coped with staying indoors at home (at the beginning of Lockdown); communicating with friends in a different way (for you, the technology comes easily to do this...for once, we are fans of social media!); and, more recently, beginning to observe new laws in the community as the world opens up again (like wearing face coverings on public transport, washing your hands, and generally doing things to keep more vulnerable people in society safe).

In addition to the above, we have heard from your families that you have been kind and patient while they have had extra pressures. We are proud of you and you should be proud of yourselves.

Although this time has had challenges, it has taught us all to be more patient, to persevere and to look out for others in our community. This is something we hope that you take with you to your new schools. We are going to be sad to say goodbye but we know that you have so many fun and exciting times ahead which you truly deserve!

Thank you again, for being a wonderful, hard-working and empathetic year group. We wish you all the best,

Miss Meggitt and Mrs Ross, Year 6 teachers at King Athelstan Primary school



Mo pays £20 for 4 chews and a drink.
Tommy pays 20 p for a drink.

Mo pays £20 for 4 chews and a drink.
Tommy pays 40 p for a drink.

Daily Maths Video Lesson and Activity sheet

Try one every day!

Watch these videos and pause them to answer the questions on the activity sheets. There is an answer sheet for you to check your work- don't look until you have had a go!

There are 4 lessons on finding the area and volume of shapes. Try one every day.

The **videos** are available on:

<https://whiterosemaths.com/homelearning/year-6/>

Summer Term - Week 9 (w/c 22nd June)

The worksheets are now available on the KAPS website :

<http://www.kingathelstan.kingston.sch.uk/covid-19-maths/>



Keep Practising
your timetables!

Maths Activity

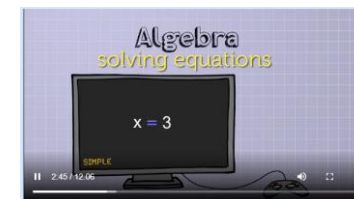


Algebra- Using Formulae

Look at the examples and answer the questions on the following slide. If you are anxious, try questions 1-5. If you're feeling confident, try questions 1-7. If you're raring to go, try the challenge too!

Tip : watch this video *What is Algebra?*

<https://www.mathantics.com/lesson/what-is-algebra>



12. A mixed number is both a whole number and an improper fraction

- Always
- Sometimes
- Never

Algebra - Formulae

Maths Activity

Example:

1. If p has the value of 7, find the value of the following expressions:

a. $3p$

b. $11 - p$

c. $2p + 5$

2. The formula for working out the perimeter of a parallelogram is $p = 2l + 2h$. Work out the perimeter when:

a. $l = 5$ and $h = 4$

b. $l = 9$ and $h = 3$

c.

c. $l = 1.5$ and $h = 2.5$

3. The cost of producing a box of rulers is worked out as follows:
Cost = number of rulers \times 11 pence + 15 pence for the box.

4. Crisps cost 25 pence a bag. Write down the formula for the total cost (C) of buying any number of bags. Use your formula to calculate the cost of six bags.

5. A plumber charges £30 an hour plus a £40 fee for turning up.

a. Write a formula for the total cost of calling a plumber out.

Use T to stand for the total cost in pounds and H for each hour worked.

b. Work out the charge for 4 hours' work.

6. If a has the value of 3 and b has the value of 4, find the following:

a. $3a + 2b$

b. $3a - 2b$

c. $5a - 3b$

d. ab

An electrician charges £25 per hour plus a call-out fee of £30.

a. Using T for the total cost and H for the hours worked, write a formula for the cost of calling out the electrician.

b. How much did he charge for 4 hours of work?

Answer

a. Total cost = £30 + 25 \times number of hours

$$\text{Formula, } T = 30 + 25 \times H$$

$$T = 30 + 25H$$

b. Let $H = 4$; $T = 30 + 25 \times 4$

$$= 30 + 100 = \text{£}130$$

Alicia is b years of age. Bruce is five years older than Alicia.

a. Write an expression for Bruce's age.

b. Their total age comes to 37 years old. Write an equation in terms of b and find Bruce's age.

Answer

a. '5 more' means add 5.

Bruce is ' $b + 5$ ' years of age.

b. Alicia + Bruce = 37

$$b + b + 5 = 37$$

$$2b + 5 = 37 \dots \text{'- 5' from both sides}$$

$$2b = 32 \dots \text{'\div 2'}$$

$$b = 16$$

So, Bruce is $b + 5 = 16 + 5 = 21$ years old.

7. The formula to work out the charges (in pence) a taxi driver makes $T = 80 + 50 \times M$. What would the taxi driver charge if a passenger travelled 7 miles?

Challenge Question:

A chicken requires 45 minutes cooking time per kg, plus an extra 30 minutes.

a. Write a formula for the cooking time.

b. How long would a large 4 kg chicken take to cook? Give your answer in hours and minutes?

c. A medium chicken took 2 hours (120 minutes) to cook. What was the weight of the chicken in kilograms?

Maths Answers



- | | | |
|----|----|---|
| 1. | a. | $3p = 3 \times 7 = 21$ |
| | b. | $11 - p = 11 - 7 = 4$ |
| | c. | $2p + 5 = 2 \times 7 + 5 = 14 + 5 = 19$ |
| 2. | a. | $p = 2l + 2h = 2 \times 5 + 2 \times 4 = 10 + 8 = 18$ |
| | b. | $p = 2l + 2h = 2 \times 9 + 2 \times 3 = 18 + 6 = 24$ |
| | c. | $p = 2l + 2h = 2 \times 1.5 + 2 \times 2.5 = 3 + 5 = 8$ |
| 3. | | Cost = $8 \times 11 + 15 = 88 + 15 = 103$ pence |
| 4. | | Let C be cost and b for bags. $C = 25 \times b$ (25b)
For 6 bags, cost = $25 \times 6 = 150$ pence = £1.50 |
| 5. | a. | $T = 30 \times H + 40$ or $T = 40 + 30 \times H$ |
| | b. | For 4 hours, $T = 30 \times 4 + 40 = 120 + 40 = \text{£}160$ |
| 6. | a. | $3a + 2b = 3 \times 3 + 2 \times 4 = 9 + 8 = 17$ |
| | b. | $3a - 2b = 3 \times 3 - 2 \times 4 = 9 - 8 = 1$ |
| | c. | $5a - 3b = 5 \times 3 - 3 \times 4 = 15 - 12 = 3$ |
| | d. | $ab = 3 \times 4 = 12$ |
| 7. | | $T = 80 + 50 \times 7 = 80 + 350 = 430$ p = £4.30 |

Challenge Question:

a.	Let T be cooking time and k for kg. $T = 45 \times k + 30$	$T = 45k + 30$
b.	For 4 kg, $T = 45 \times 4 + 30 = 180 + 30 = 210$ minutes	3 hours and 30 minutes
c.	$45 \times k + 30 = 120$ (-30) $45 \times k = 90$ ($\div 45$) $k = 2$	2 kg chicken



12. A mixed number is both a whole number and an improper fraction

- Always
- Sometimes
- Never

A mixed number is always a whole number and a fraction.

A little extra, inspired by Scarlett...

For next week's Zoom session, try learning some British Sign Language. Start with some simple greetings and phrases, such as "My name is...."

Then try to learn to say the whole alphabet with your fingers!

Go to: <https://www.british-sign.co.uk/> for tutorials - at the moment, you can sign up for **free** if you wish to!

There are lots of other good resources online as well:

<https://www.bing.com/videos/search?q=how+to+introduce+yourself+in+british+sign+language&docid=608009808136504885&mid=23E7B8C391358FC30D4823E7B8C391358FC30D48&view=detail&FORM=VIRE>

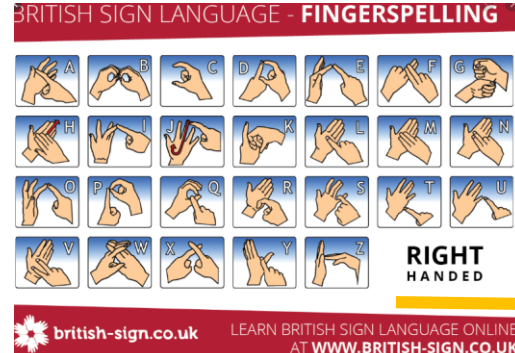
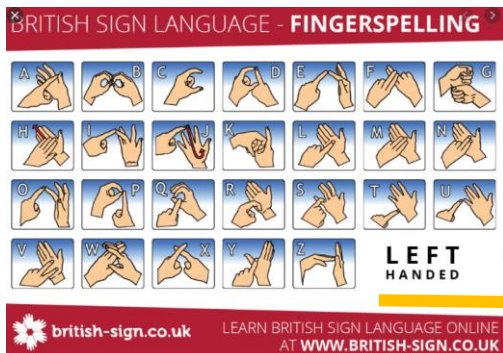
<https://www.youtube.com/watch?v=gMNHvXSW4iE> for basic, useful signs.

Notice how clear his movements and gestures are and how his facial expressions match what he is saying.



Learning BSL with us costs ~~just £25~~ whatever price you feel you are able to afford during this difficult time.

This one time enrolment-fee gives you free access to all of the online signing course material for 1 year so that you can come back at anytime to refresh your skills.



<https://www.bing.com/videos/search?q=british+sign+language+alphabet&&view=detail&mid=31A926C8BE30C433983031A926C8BE30C4339830&&FORM=VRDGAR&ru=%2Fvideos%2Fsearch%3Fq%3Dbritish%2Bsign%2Blanguage%2Balphabet%26FORM%3DHDRSC3>

This will help you with the alphabet.

And this one will help learn it from the signer's (your) point of view: <https://www.youtube.com/watch?v=mkTeqA4kwUQ>

These skills are especially useful when we are using Zoom. Did you know that up to about 90% of communication is non-verbal? We rely on gesture and expression a lot more than we think!

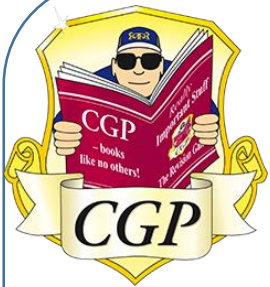
Extra Home Learning KS2

Here are some extra websites and resources you can access if you would like your child to be doing more at home.

<https://www.kingathelstan.kingston.sch.uk/covid-19-maths/>



Recommended Work Books



<https://www.cgpbooks.co.uk/primary-books/ks2/english/reading/em6hsb23-year-6-home-learning-bundle-maths-en>

Mental Arithmetic

The essential KS2 resource for fluency and confidence in mathematics



<https://www.schofieldandsons.co.uk/key-stage-2-mental-arithmetic/>



<https://www.twinkl.co.uk/resources/covid19-school-closures>



**OAK
NATIONAL
ACADEMY**

The Oak National Academy has virtual lessons to follow!

<https://classroom.thenational.academy/year-groups/>



Log on to Busy things for fun learning activities. Use your j2e login.



<https://www.busythings.co.uk/play/>