

MAYOR OF LONDON

LONDON CURRICULUM

FAMILY EXPLORER TRAIL

THE KNOWLEDGE QUARTER



#LondonIsOpen

What is the London Curriculum?

The London Curriculum is a fun new way of teaching young people about the city using London as a classroom. Schools in London are already enjoying our free learning resources, now with these trails, parents and carers can also join in.

This trail is one of four we've designed for families this summer. We hope it will help you and your family find out more about this brilliant city, and have fun too!

Safety on the way

We want you to have a relaxed enjoyable time together so here are a few important things to remember.

- Please take care when crossing roads and use pedestrian crossings whenever available.
- In hot weather, remember to cover up and drink plenty of water.
- Be alert and watch your personal belongings.

Estimated
time
(hours)



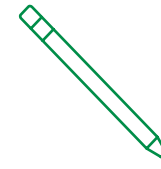
Walking
distance
(km)



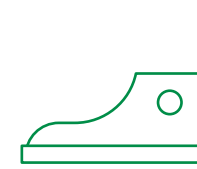
What you will need



copy of this trail



pencil



comfy shoes / weather-
appropriate clothing



reusable
bottle

Comfort breaks

Why not enjoy a picnic on your trail? There are several benches dotted along the Thames Path on the north bank of the river and grassed areas and seating in the gardens around St. Paul's. On the south bank there's a large grassed area in front of Tate Modern and tiered seating in The Scoop, outside City Hall.

There are free community toilets at The Liberty Bounds (Weatherspoon pub) and The Banker (Fuller's pub) on the north bank, and at Tate Modern and City Hall on the south bank.

Fen likes to stop and look around him on his journeys. Sitting on one of the benches by the river from time to time is a great idea!

Need the answers?

We hope you'll try and work out the answers to any questions in the trail yourselves but we all need a bit of help from time to time! You'll find the answers on the back of the trail.

Hello! I'm Russell the Squirrel. My hobbies are finding nuts, doing quizzes and watching Londoners fuel their brains with knowledge. Welcome to London's 'Knowledge Quarter'! Join me as I hop around King's Cross, the Euston Road and Bloomsbury. Find out how Londoners can access amazing knowledge resources here. It's going to be a lot of fun, are you ready?



About this Family Explorer Trail

We suggest starting and finishing your trail outside the British Library, next to St Pancras Station. There are seven activity locations to visit on a circular route. The walking route is about 3km (just under 2 miles) and should take around two hours to complete, but there is no time limit!

We've pointed out a few places for picnics near to the route, and there are plenty of free public toilets around in the stations and other public buildings. There's a map at the back to guide you.

Russell likes to chatter wherever he goes. Telling jokes and asking quiz questions to each other on this trail is optional but very welcome!

Find out more at:
[london.gov.uk/familytrails](https://www.london.gov.uk/familytrails)

The Knowledge Quarter (KQ) is a partnership of over 85 academic, cultural, research, scientific and media organisations located in a one-mile radius around King's Cross, Euston Road and Bloomsbury. Collectively, the geographic area of the Knowledge Quarter contains possibly the greatest knowledge cluster anywhere in the world.

Find out more at knowledgequarter.london

#LondonIsOpen

'London is full of culture, science and stories. Our London Curriculum trails are a great way for families to discover their city together. I hope they encourage Londoners of all ages to explore our unique open spaces. There's no place on earth like it.'

- Sadiq Khan, Mayor of London

Safety on the way

We want you to have a relaxed, enjoyable time doing this trail together, so here are a few important things to remember.
A suggested trail route is shown on the map.

Please use pedestrian crossings wherever available.
Where they are not, take extra care when crossing roads.

In hot weather, remember to cover up and drink plenty of water.

Be alert and watch your personal belongings.

1 Outside the British Library





How many ways are there to build your knowledge and skills? The British Library is full of books and other resources. We're going to find lots of other ways today too!

Fascinating Fact

The British Library is the largest public building built in London during the last century. It contains 150 million items.

Explore the courtyard to work out this answer:

 Find the word **KNOWLEDGE** in white above a doorway. Count the number of letters in the word after it. Write the number in this square.

 Count the number of 'planets' found around a circle nearby. Write your answer in this circle.

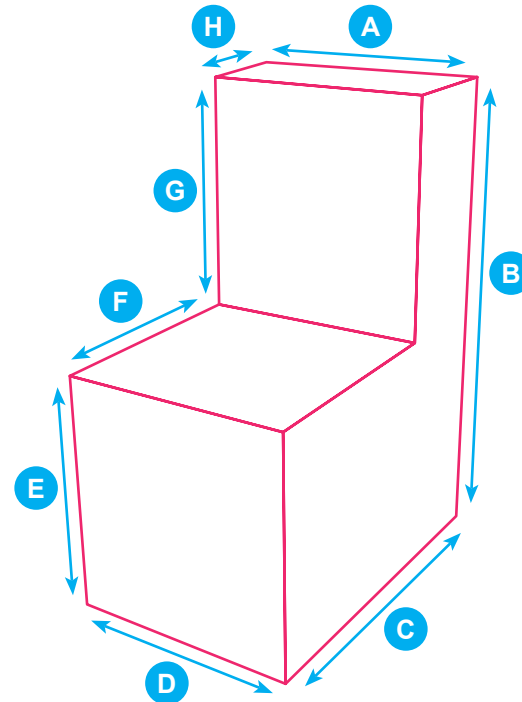
Finally, add your two answers together.









 +  = 

Sir Isaac Newton was a mathematician and scientist who lived in London. He is famous for discovering the force of gravity. He was inspired by observing an apple falling from a tree to the ground.

Look at the statue of Isaac Newton. What is he doing? He is using some dividers, a type of measuring tool.

Use your book as a measuring tool! Look around for a brown metal chair that looks like the one in the diagram. Use the ruler we've given you to measure. Write the dimensions in centimetres below.



-  _____
-  _____
-  _____
-  _____
-  _____
-  _____
-  _____
-  _____

2 St Pancras Church

The architect who designed the church was inspired by another country's building style. Which country do you think this was? Can you find the answer nearby?

China
 USA
 Greece

What shape is the tower? If the middle door is open, pop in and look up! If not, the history board will tell you. How many sides does this shape have? Draw a sketch of the shape here to help you work it out.

Now, count the flowers around all three doors. Add your answer to the number of sides of the shape of the tower. What's your total?

Doing The Knowledge!

Before they start work, London's famous black cab drivers must pass a test to show how well they can find their way around the city. This is called 'The Knowledge' and it can take years to learn!



How many London black cabs do you think drive along this road? Count them using a tally! Ask someone to time you for exactly one minute using a phone or watch. Make a mark in the correct box below every time you see a black cab go past with its light ON or its light OFF. Then add up your tallies and write the total numbers in the boxes to the right.

ON		
OFF		
TOTAL		

What does it mean if the light is on?

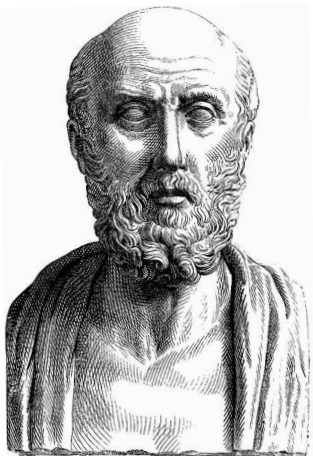
If this many black cabs go past in one minute, how many do you **CALCULATE** will pass in five minutes?

ESTIMATE how many will pass in an hour.

Hippocrates



I've got a quiz question for you. St Pancras is the patron saint of children, jobs and health. There's a railway station nearby named after him too. But do you know the name of the patron saint of TRAVELLERS?



Can you see a man looking down on this corner? Can you spot his name? His name is Hippocrates. He was born in Greece in 460 BC and is known as 'The Father of Medicine'. He was the first person to recognise that diseases came from natural causes.

A physician is another word for a doctor who treats people for disease.

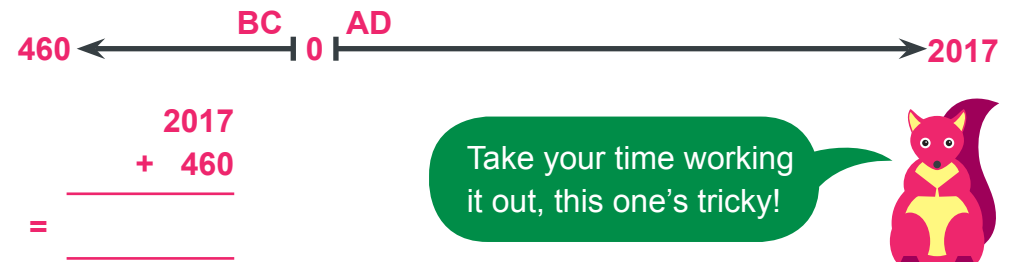


This building used to be a university bookshop called Lewis's. What type of books do you think it sold? The statue of Hippocrates should give you a clue!

I think this bookshop sold books about

How many years ago was Hippocrates born?

Let's work it out! He was born in 460 BC and today is 2017 AD.



Take your time working it out, this one's tricky!



Look at the scroll and books on the wall below Hippocrates. Can you see the date Lewis's was founded? Make a note of it here.

If Hippocrates had been alive in that year, how old would he have been? Take your time working it out, this one's tricky too!

Now, off to University we go!



4

UCL Main Quad

Quad is short for Quadrangle. A quadrangle is any flat shape with four sides. Can you match these shapes to their correct names by drawing lines to connect them?

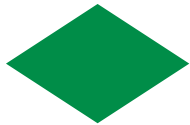
kite

rectangle

rhombus

square

parallelogram



From the top of the steps, turn around and look above the buildings in the distance. What's missing from this picture? Draw it in.



Fascinating facts

The missing building is called the BT Tower. When it opened in 1965, it was the tallest building in London at 177m high. Today, the tallest building in London is 306m high. Do you know what it is called?

As you walk to the next location, you will pass close to the **Grant Museum of Zoology**, just across Gower Street. Today it is the only zoological museum in a London university. What objects do you think you might find in here?

old weapons paintings animal skeletons 

Robert Grant built up his collection to help his students learn through observation and investigation.

If the Grant Museum is open you can collect your sticker for this trail on the way past. Or visit the Petrie Museum round the corner. (Both open Tues-Sat. 1pm-5pm.)



5

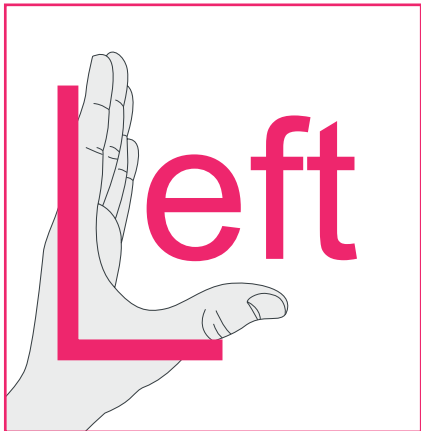
Gordon Square

Before you reach Gordon Square you will pass the Petrie Museum of Egyptian Archaeology. It's named after an archaeologist called Flinders Petrie who had a very strong visual memory. He could remember and work things out by seeing them clearly inside his head.

Ways to remember things

A 'mnemonic' means any trick you can use for helping you remember something, such as 'Never Eat Shredded Wheat' for North, East, South, West.

How to remember your left hand from your right



You can collect your sticker from the Petrie Museum if you haven't already got it from the Grant Museum!

Russell's favourite mnemonic is 'Richard **O**f **Y**ork **G**ave **B**attle **I**n **V**ain'. It helps him to remember the correct order of something that there are seven of. Can you guess what they are?

[Dotted box for writing]

MNEMONIC is a hard word to say. Have a practice!



In Gordon Square, find the statue of this woman. She was a British secret agent from London who used Morse Code to send messages back from France during WWII.

Can you send your name in code? Follow my instructions shown here.



First, change each letter of your name into the next one in the alphabet.

Example: TOM = UPN.

[Dotted box for writing]

Next, change your coded name to Morse Code.

Example: UPN = U P N

[Dotted box for writing]

Imagine a secret agent in France is sending their name in the same code. What is her name? (remember to decode the letters backwards in the alphabet after you have worked out the Morse code!) N B C F M

[Dotted box for writing]

A = A	N = N
B = B	O = O
C = C	P = P
D = D	Q = Q
E = E	R = R
F = F	S = S
G = G	T = T
H = H	U = U
I = I	V = V
J = J	W = W
K = K	X = X
L = L	Y = Y
M = M	Z = Z



6

Tavistock Square



Welcome to Tavistock Square! There's lots to learn here. We're going to research three famous people who are remembered with statues in this square. There's a writer, a world leader and a surgeon. I wonder what we'll find out?

Can you visit three statues to complete the table below?



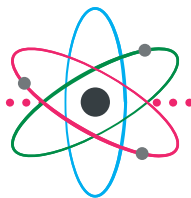
Name	Mahatma Gandhi		Louisa Brandreth Aldrich-Blake
Date born		1882	1865
Date died	1948	1941	
Age reached		59	60

- Who was born first?
- Who lived the longest?
- For what period were they all alive at the same time?
..... to
- How many years was this?

Match each of the following facts to one of the statues, A, B or C.

- She was the first British woman to qualify as a surgeon.
- Her books have been translated into over 50 languages.
- He was the leader of the Indian independence movement.

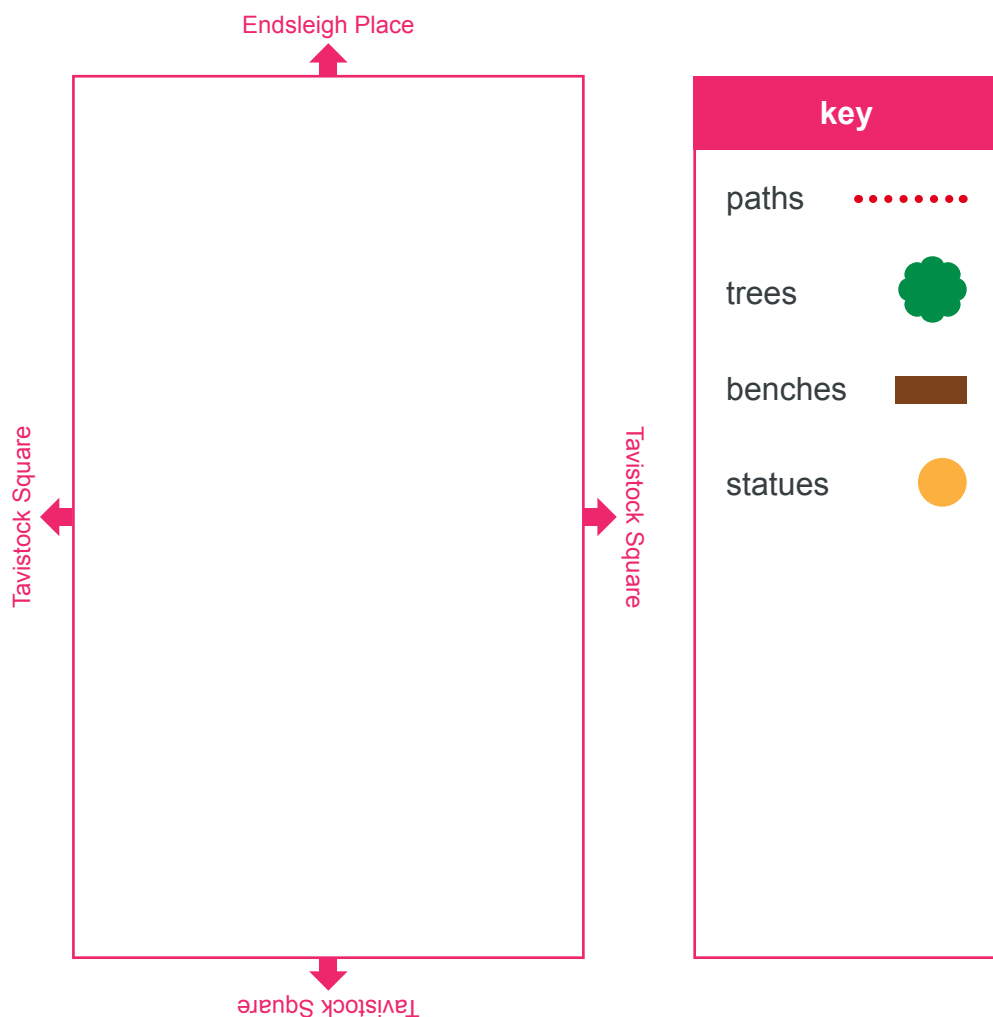
Louisa Brandreth Aldrich-Blake was admired by Sir Henry Wellcome. Wellcome believed that science and research expand our knowledge by testing and investigating ideas. He used his wealth to start Wellcome Trust and encourage exciting new research in medicine. You can visit Wellcome Collection on Euston Road near here to explore the connections between science, medicine, life and art.



6

Tavistock Square (continued)

Complete this plan of the gardens. Use the symbols in the key given to mark the position of things in the square. Is there anything else you can add? If so, design a symbol for it and add it to the map and the key.



7

Inside the British Library

Go inside the British Library. This is a place where there are lots of ways to find things out.

How many floors are in this building? Write down three ways you could find the answer to this question:

1

2

3

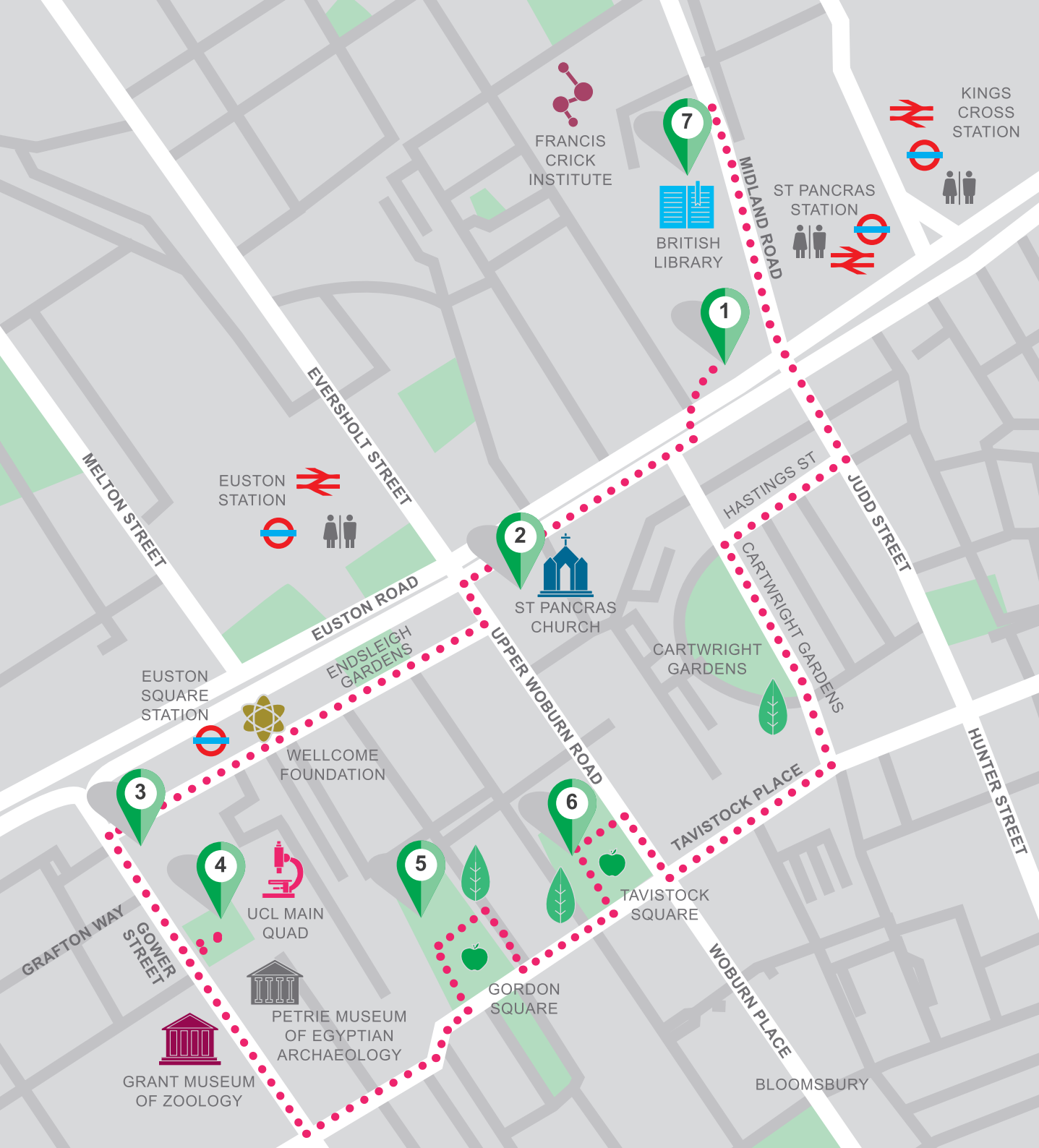
Find this chair that looks like a book. What is it made of? Look at the ball next to it. It looks heavy! Does it move? Touch it and find out!

What is the meaning behind this chair and ball? To find out, you will need to ask someone. Look about you for a sign that says 'Information'. Ask a member of staff to tell you about the chair.



The search for answers

Let's see how many ways you've discovered for people to improve their knowledge. Around this page are lots of words that describe ways of learning new things and remembering them. Which ones did you use today?



TRAIL KEY

-  Trail route
-  Picnic Spot
-  1 British Library
-  2 St Pancras Church
-  3 Hippocrates
-  4 UCL Main Quad
-  5 Gordon Square
-  6 Tavistock Square
-  7 British Library
-  Public Toilets

BRITISH LIBRARY

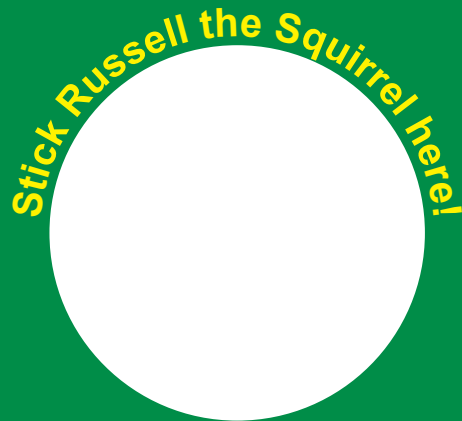
Bus routes to this area include:
10, 30, 59, 73, 91, 205, 390, 476

Knowledge Quarter

Collect the stickers!

When you have completed this trail bring it along to the cafe on the Lower Ground Floor at **City Hall** to collect your Russell the Squirrel sticker.

Why not complete one of our other trails and collect the stickers for those too? All stickers can be collected from the cafe on the Lower Ground Floor at **City Hall**.



Tell us what you think

We'd love your feedback to help us plan more family trails in the future. Please take our short survey at:
[london.gov.uk/familytrails](https://www.london.gov.uk/familytrails)

What's on

British Museum

Free activities including trails, gallery backpacks and art materials to borrow. Just ask at the Families Desk in the Great Court or find out more at britishmuseum.org/visiting/family_visits.aspx

British Library

Explore the Treasures gallery that includes a Magna Carta and Lewis Carroll's manuscripts of 'Alice's Adventures Under Ground'. Find out more at bl.uk/events?eventsubtype=family-activity

The Petrie Museum of Egyptian Archaeology

Marvel at 80,000 Egyptian and Sudanese objects including a 4,400 year old bead-net dress fringed with 127 shells. Free trials to complete and 'Young Archaeologist' packs available to borrow. Find out more at ucl.ac.uk/culture/petrie-museum

Grant Museum of Zoology

Be amazed by dodo bones, a jar full of moles and the skeleton of a 5 metre long African rock python that lived at London Zoo. Find out more at ucl.ac.uk/culture/grant-museum-zoology

Foundling Museum

Explore the story of Thomas Coram and the Foundling Hospital, the UK's first children's charity. Find out more at foundlingmuseum.org.uk/whats-on/family/

Answers

1) 6+8=14 2) Greece / ON=available to hire 3) St Christopher / medicine / 2477 / 1844 / 2304 yrs old 4) The Shard / animal skeletons 5) 7 colours of the rainbow / MABEL 6) Q1 - Louisa B Aldrich-Blake; Q2 - Mahatma Gandhi; Q3 - 1882 to 1925; Q4 - 43 / 1-C; 2-B; 3-A