

Let's Move

Have a look at the following activities. Why not try some of them out? Send a photograph of your work to your teacher at year2@brampton.newham.sch.uk.

English

Designing our future travel!

Magical and amazing transport has always been in films.

In the Back to the Future movie, Marty McFly travelled on a hover board; Aladdin travelled on a carpet; in Bedknobs and Broomsticks, they travelled on a magic bed and in Chitty Chitty Bang Bang they travelled in a flying car that could also land on water. Even bikes, cars, buses and boats were once a strange idea in someone's imagination.

Imagine you have invented a new or magical form of transport.

Think about your answers to the following questions: How it will move? How it will be powered? How and when will people use it? Where will it travel –land, water, air?

Design and label your new transport and write a clear description of it, detailing all its attributes. Persuade people how much better it is from the transport we use now. You could also design an advert for the TV or a magazine telling people why they should buy or use it. Be as persuasive as you can *e.g. The best, most magical carpet ride in the world!*

Mathematics

Shape challenge

Draw any vehicle using as many 2D shapes as you can. Did you use a square, rectangle, triangle and circle? Did you use any quadrilaterals? Which ones? Did you use a pentagon, hexagon, heptagon, octagon, nonagon or decagon?

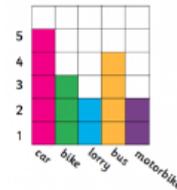
Vehicle survey

Observe the vehicles outside your home for 30 minutes.

How many different vehicles did you see?

Do the same for 30 minutes each day of the week and collect your data on a tally chart.

Use your tally chart to make a bar graph. It might look something like this:



Geography

London Transport Quiz. Some answers are multiple choice.

1. How old is the London Underground? 50 years, 123 years or 157 years?
2. What is the nickname for the London Underground?
3. What is the name of the popular blue card used on public transport in Greater London?
4. What is the top speed that a London Underground tube train can travel? Is it 33km/h, 64 km/h or 70.3 km/h?
5. All taxi drivers must have a thorough knowledge of London. So, they must learn and pass the famous 'Knowledge' test. How long does it take to master 'the Knowledge'? Is it: 18 months -1 year, 2 -3 years or 3 -4 years?
6. Which London railway station is associated with a famous bear?
7. How many stations does the London Underground serve? Are there: 180, 220 or 270?
8. On the London Underground map, what colour is used for the London Overground?
9. How many buses do you think are in London? 8,600, 9,200 or 10,400?
10. Which is the busiest station? Waterloo, Paddington or Kings Cross?

P4C

It took the Wright brothers four years to build their first successful powered machine and then another two years to produce a practical flying airplane.

So, is it better to set a difficult goal and fail to reach it straight away or an easy goal and succeed?

Should you always know what you want to achieve before you start?

Design and Technology/Science

Making paper planes

- 1) Fold a piece of A4 paper in half, length ways, then unfold it.
- 2) Fold the top 2 corners to make a point.
- 3) Fold the edges in again so that they make a sharp tip.
- 4) Fold the plane in half again.
- 5) Now fold the diagonal edge down to meet the straight edge on each side, making the wings.

Your plane is complete! Decorate it and test it!

How far can it fly?

What happens if you made a smaller plane or a bigger plane?

Can you change the design or add anything to make it fly faster?

