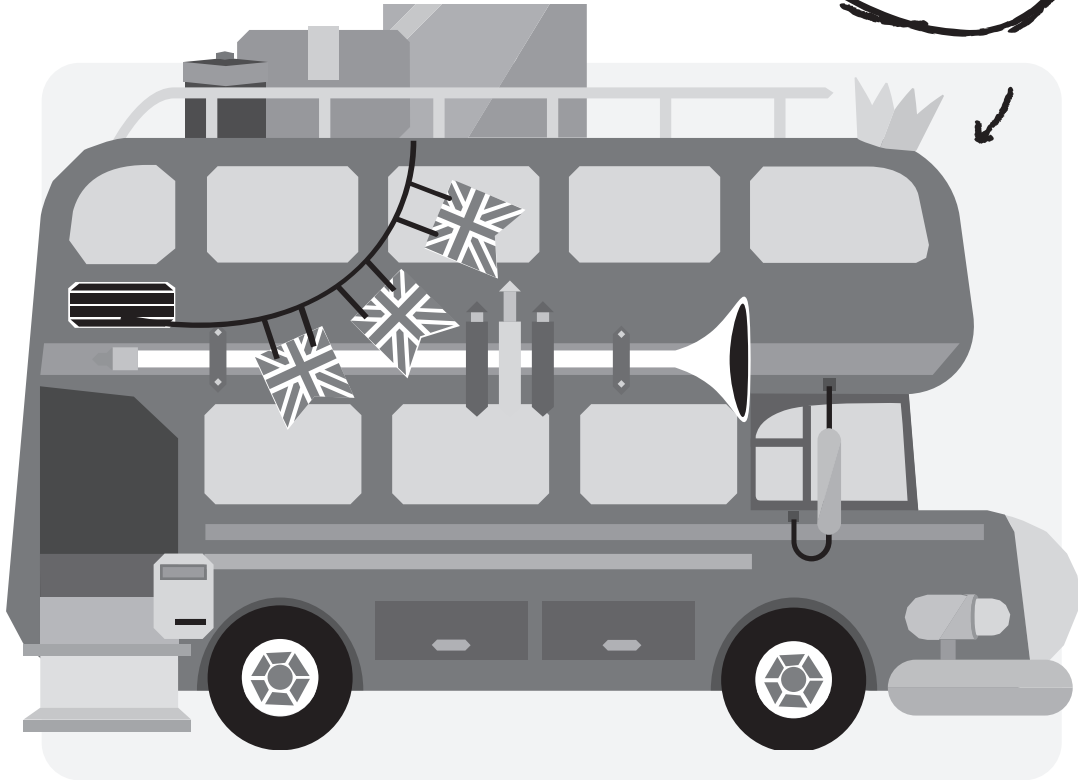




MARCOPOLO
World School

Have you ever
sat upstairs on a
bus before?

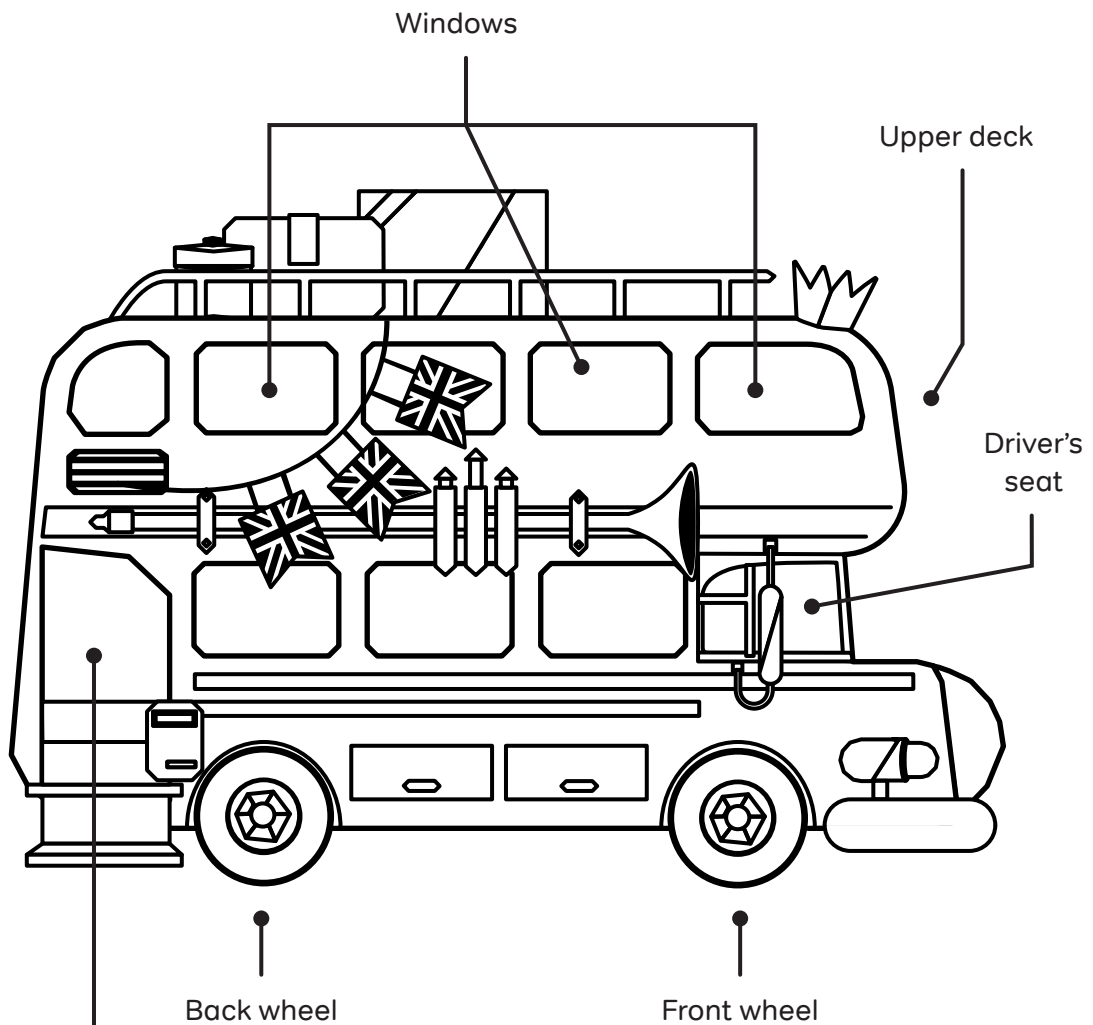


Double Decker Bus

Owner's Workshop Manual

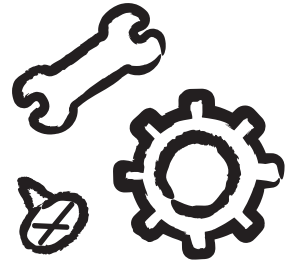
- This type of bus have two levels, an 'upper' and a 'lower deck'
- Double decker buses are used in Europe and Asia
- There are often used for tourists to see around cities
- They can hold up to 300 people!

Double Decker Bus Information



Use your favorite colors to decorate the double decker bus!!

Double Decker Bus Design Challenge



A double decker bus is very tall in height – but did you know that height can also make it harder for something to balance?



What you need to do...

Add another level to one of your toy cars using materials like tape and cardboard.

Test out your designs by pushing the car down a low ramp. How high can you make the extra level before the car becomes unstable?

Things to think about:



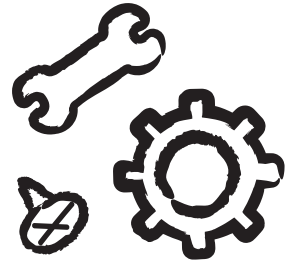
Does your bus move faster down the ramp?



Where would you sit on your bus?

Record your findings on the next page!

Double Decker Bus Design Challenge



TEST ONE

- Height of car:
- Stable down the ramp?

TEST TWO

- Height of car:
- Stable down the ramp?

TEST THREE

- Height of car:
- Stable down the ramp?

TEST FOUR

- Height of car:
- Stable down the ramp?