

Design and Technology- How things work

Learning Objectives:

- To observe surroundings and record observations
- To use thinking skills to answer questions
- To ask questions around technology and use listening skills

Top tip: ask a cable car steward for help if you are unsure of the answers.

The Cable Car

At the top station, take a look at the wheel that drives the cable cars up and down. This is called the bull wheel and it holds the cable for the cable cars.

Draw a sketch of it in the box.



Look at the cable cars.

See how they are fixed to the cable.
There are three cable cars in each group.

How many groups are there?

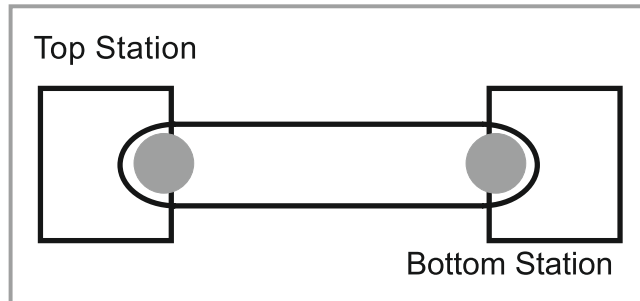
How many cable cars are there?

How are they spaced?

Mark their positions on this diagram.

Can you think why they are spaced like this?

.....
.....



See how fast the cable cars move.

Why do they slow down in the station?

Look at the cable that holds the cable cars. It has to be very strong.

What do you think the cable is made of?

What are the cable cars made of?

Can you think why they are made of this?

Why is a cable car useful here?

.....

Did you enjoy the ride?

.....