



There are many great inventions in Hong Kong. Here are some of them.



Optical Fibres

Dr Charles Kuen Kao worked on optical fibres and got a Nobel Prize in Physics in 2009. He found that optical fibres can send signals through light. They can carry a lot more information and make the information go faster on the Internet.

In Hong Kong, people usually pay fares with their Octopus cards. Hong Kong was the first city in the world to use this smart card system. You can also buy food, drinks and many other things with the card!

Octopus Card



A Read the riddles and guess who or what they are.

1 You can use me when you get on a bus. You don't have to bring coins any more.

2 I can send signals through light so you can browse the Internet faster.

3 People sit on me. I can bring them anywhere. I can even go up the stairs.

4 I worked on optical fibres. I got a Nobel Prize in Physics.

In the past, wheelchairs could not go up or down the stairs. Now, a Hong Kong designer invented B-Free ('Barrier-Free') Ranger to fix this problem. Its wheels can move like robots. It can bring people to more places.



B-Free Ranger

B Circle the words in the word search to complete the sentences.

e.g.

r	f	o	w	o	r	l	d
g	k	p	h	y	b	m	s
h	j	l	e	p	o	d	p
i	n	t	e	r	n	e	t
d	r	m	l	a	j	s	l
s	f	n	c	n	k	i	b
f	a	o	h	k	l	g	n
h	c	f	a	r	e	n	r
s	d	k	i	u	e	e	h
b	x	p	r	k	f	r	g

Hints:

- e.g. Hong Kong attracts tourists from all around the _____.
1. We can find a lot of useful information on the _____.
2. David has to sit on a _____ because he hurt his legs.
3. Alice forgot to pay the bus _____ when she got on.
4. _____s have many great ideas and they create new things.