

English in Schools



Class: IX-X

Cell-Phone

Materials Designed by BRAC University Centre for Languages (CfL)

Dear learners, we welcome you all to the 2011 edition of "English in School" with great enthusiasm. Our initiatives are committed to be entertaining and educational. Thank you very much for being with us.

Frequently Asked Questions

What are the differences between 4G and 3G?

In the present time, there are four generations in the mobile industry.

These are respectively 1G the first generation, 2G the second generation,

3G the third generation, and then the 4G the fourth generation. To understand the difference between 4G and 3G, we first have to understand what each of them actually mean.

What is 3G?

3G is a wireless technology. It has high speed transmission, advanced multimedia access and global roaming. The cell-phone users are, at present, able to use speech and data services simultaneously with the use of 3G. It is an advanced technology to make a voice or video call or to download and upload data.

What is 4G?

When we speak about 4G, we are essentially talking about the change in the fundamental nature of the service offered. It is expected to give a comprehensive and secure all Internet Protocol (IP) based solution, which will have facilities like IP telephony, ultra-broadband internet access, gaming services and streamed multimedia facility to the user. It will soon become the standard for cellular wireless.

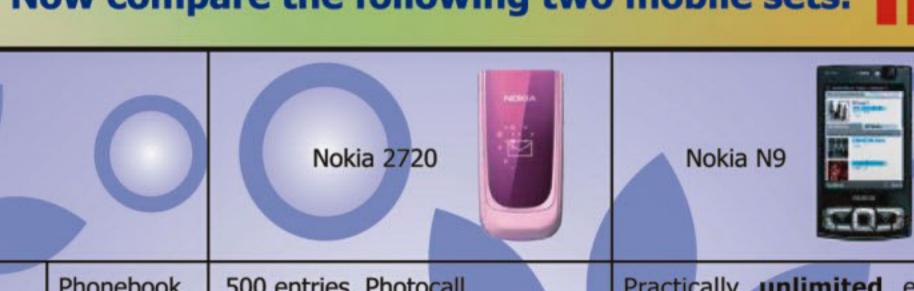
To understand 4G versus 3G difference, we will take some points into consideration:

The 4G transmission speed is said to be at least 4 times faster, than the 3G network. The data capacity through the 4G network will be much bigger than the 3G, so the downloading of data that reach tens, even hundreds of Mega Bytes (MB) will be easily achieved in a short time. For example, with 3G phones, we are only able to download video clips and music clips with short duration. On the other hand, 4G is expected to give its users gaming, multimedia and internet access support.

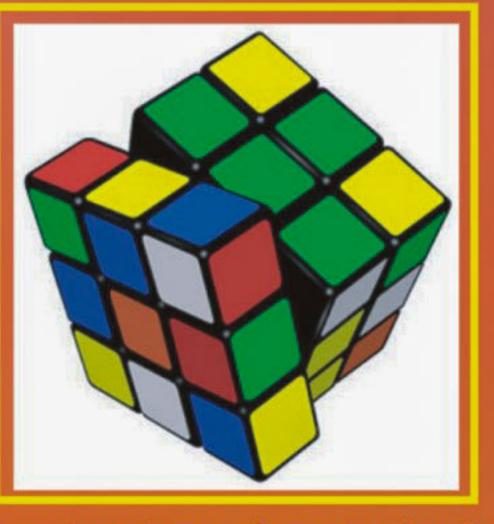
The speed of 4G data connection also lets the user watch high quality TV by streaming from the internet without obstacles. Users can also see the other person clearly and smoothly while video calling. Not only that, users can also do video chat with ease.

Source: internet

Now compare the following two mobile sets.



		Nokia 2720	Nokia N9			
Memory	Phonebook	500 entries, Photocall	Practically unlimited entries and fields, Photocall			
	Call records	20 dialed, 20 received, 20 missed calls	Detailed, max 30 days			
	Internal	9 MB	64 GB storage, 512 MB RAM, 1 GB ROM			
Data	3G	No	HSDPA, 10.2 Mbps; HSUPA, 2 Mbps			
	USB	No	Yes, micro USB v2.0			
Features	Message/ Messaging	SMS, MMS, Email	SMS (threaded view), MMS, Email, Push Email, IM			
	Games	Yes	Yes + downloadable			



Dear learners, here is a puzzle for you. Can you identify the following words from this puzzle?

Multimedia, Generation, Download, Advanced, Broadband, Unlimited, Message. Hazard.

Learning outcomes: Comparing, Narrating and Sequencing.

A brief history of cell-phones.

Cell-phones have brought about a dramatic change to the communication industry. The development of cell-phones has made long-distance communication a matter of seconds. Who was the genius to invent the first cell-phone and when was it invented? The cell-phone was invented in 1973 by Dr. Martin Cooper, a Motorola employee. On April 3, 1973 the first cell-phone call was made.

How did we get from landlines to cell-phones? Here's a quick history:

Time	Event						
1873	British physicist James Clerk Maxwell (1831-1879) published the theory of electromagnetism.						
1876	Scottish-born inventor Alexander Graham Bell (1847-1922) developed the first telephone. Later, Bell developed something called a "photo phone". It was really a distant ancestor of the cell-phone.						
1888	German physicist Heinrich Hertz (1857-1894) made the first electromagnetic radio waves in his lab.						
1899	Italian inventor Marconi (1874-1937) first sent radio waves.						
1906	American engineer Reginald Fessenden (1866-1932) became the first person to transmit the human voice using radio waves.						
1973	Martin Cooper (1928-) of Motorola made the first cell-phone call.						
1978	Analog Mobile Phone System (AMPS) was introduced in Chicago by Illinois Bell and AT&T.						
1982	European telephone companies agree a worldwide standard for how cell-phones will operate, which is named "Groupe Speciale Mobile" and later Global System for Mobile (GSM) telecommunications.						
1984	Motorola DynaTAC becomes the world's first commercial handheld cell-phone.						
2001	GSM had captured over 70 percent of the world cell-phone market.						

Dear learners, now based on the bullet information given above write a short paragraph on the history of cell-phone. Use then, next, after that, soon after that etc.







The electro-magnetic radiation emitted by cell-phones can lead to leakage of hemoglobin from the blood cells, headache, joint pain, digestive problems, eye cancer, altered brain electrical activity, impaired sense of smell, muscle spasms and deafness. These are only a few of the many disorders caused by radiation from the cell-phones.

Here are a few easy steps to prevent or reduce these **hazard**s:

- 1. The phone should not be kept in the front pockets and near the heart, especially if the user has a pace maker.
- 2. Try not keeping the cell-phone in vibration mode.
- 3. Use it for only short duration.
- 4. Buy your cell-phone from genuine companies. 5. Try to use hand-free or loudspeaker mode.
- 6. Avoid direct contact of the cell-phone to your ear.

Source: internet

Н	Α	J	М	E	S	S	Α	G	Е
Α	D	D	U	Q	W	Т	R	D	G
Z	٧	Н	L	М	U	В	K	0	S
Α	Α	К	T	Е	L	S	М	W	н
R	N	S	I	0	S	٧	S	N	Е
D	C	Е	M	S	X	F	Z	ш	J
G	Е	N	Е	R	Α	Т	I	0	N
Α	D	J	D	X	U	К	T	Α	Υ
U	N	L	I	М	I	Т	Е	D	Е
В	R	0	Α	D	В	Α	N	D	L



New Year, New Hope...

New Year, new class. Let us start the new days with New Year's resolution that we will be more sincere to our study, listen to our teachers and love our motherland.

Future depends on us; Let us build our future together!

