

YEAR 8

**ICT Department**



Extended Homework Project



## **ICT Extended Homework Project**

In your lessons you have been looking in to all of the different ways in which ICT is used during the planning of the Olympics. For this Extended Learning Project you will be using the skills you have learnt in your lessons to research and plan the introduction of an OLYMPIC APP that can be released in time for the Olympics.

You will start by looking at the History of the Smartphone and then work your way through different tasks that will result in you planning your own app.

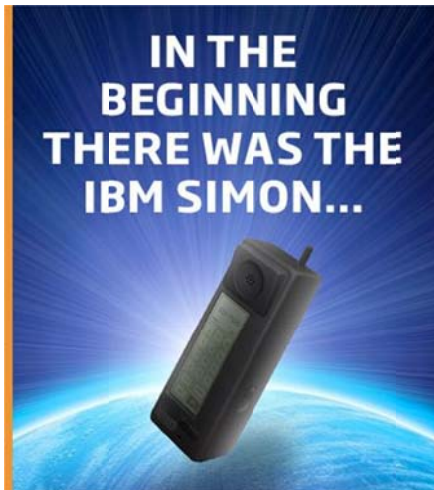
Task One:- History of the Smartphone

Task Two:- Guess the App

Task Three:- Identifying the different types of features you would have in your App

Task Four:- Design your App

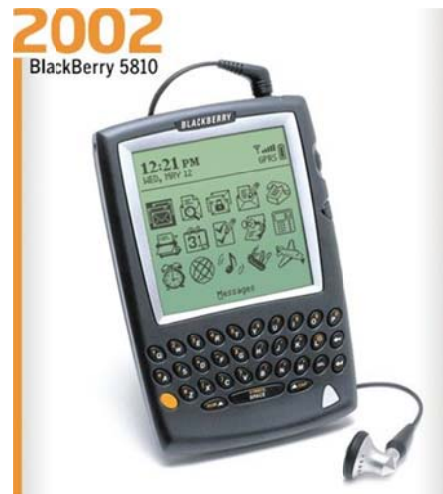
## History of the Smartphone



It's been three years since Apple brought the smartphone to a mass consumer market, but smartphones have actually been around in one form or another since 1993. The difference between then and now is that early smartphones were primarily used as enterprise devices and were prohibitively expensive for most consumers. But with the enormous success of the iPhone, carriers have discovered that they can lock in customers for long periods of time by heavily subsidizing their purchases of the latest and hottest smartphones. In this slideshow we'll track the evolution of the smartphone, from its humble

beginnings as a clunky monochrome device to today's sleek multimedia devices capable of supporting HD video.

In the late 1990s, Canadian company Research in Motion was mostly known for its two-way pagers that were adopted by tens of millions of users worldwide. But starting in 2002, RIM entered the mobile phone market with its BlackBerry 5810 device, a phone with the ability to get e-mail and surf the Web. The major downside of the 5810 was that you needed to plug in a headset in order to talk on the phone. RIM would not release a proper headset-free smartphone until the BlackBerry 6210 came out in early 2004



2007

The Apple iPhone



What more can be said of Apple's revolutionary device? Apple's first attempt at cracking the smartphone market was a no-doubter home run that integrated a touchscreen display with the best Web-browsing experience to yet be offered on a mobile device. Three years later, the iPhone is still the device to which all other smartphones are compared.

Sprint has long been eager to show off the capabilities of its WiMAX network, which is currently the fastest wireless network commercially available in the United States. With the release of the [EVO 4G](#) this summer, Sprint finally has a flagship device that will let users take advantage of its high-speed network. In addition to its connectivity, the phone is also notable for its striking physical size, with a 4.3-inch 800 x 400 pixel display screen and a weight of 6 ounces. The Android-based device is so big that it even features a kickstand that helps users keep it upright while they're looking at the screen.

2010

The HTC EVO 4G



Answer the questions

- 1) When was the first smart phone released?
- 2) What are the different types of features that you may get on a smartphone?
- 3) Can you name some smart phone companies?

## Name the app

There are different types of apps that you may be aware of. Looking at the pictures below can you name them?



1) \_\_\_\_\_



2) \_\_\_\_\_



3) \_\_\_\_\_



4) \_\_\_\_\_



5) \_\_\_\_\_

## Different types of App

There are thousands of iPhone applications listed in the App store. In general, these applications can be listed in one of ten different iPhone application categories listed below:



[Calculate / Utilities Apps](#) – These apps can show you how much your mortgage payment will be, how to convert temperatures, how to calculate square footage, estimate your auto loan monthly payments, find international calling codes for each country and more. Mobile utility applications can make your life so much easier!



[Entertainment Apps](#) – Okay, if you have time to kill, you will find apps that update you with the latest celebrity gossip, show you how to play a variety of drinking games and even make sounds like a whoopee cushion. Mobile Entertainment applications can keep you occupied for hours.



[Games Apps](#) – These are what make the iPhone fun! Play Sudoku, shoot helicopters, jump over craters, or experience the world's first story-driven drink mixing video game – [Nimble Strong: Bartender in Training](#). These mobile gaming apps are simply incredible.



[News Apps](#)– Interested in receiving the latest information about a certain subject you are interested in? Whether its the latest environmental and green news, military headlines, or the latest news about Apple, this is the application category where you can get delivered the news you want in real time.



[Productivity Apps](#) – Want to track your spending and manage your bank accounts? Would you like to apply a personalized signature to use in your email? Maybe find the times and locations where you can donate blood? Be more productive using these mobile productivity applications.



[Search Tool Apps](#) – Need to do a reverse phone number lookup? Find country info like currency, international phone code and capital? Want to find a good cooking recipe? No problem using mobile search tool applications.



[Social Networking Apps](#) – Want to chat with users all over the world or share mobile videos? Perhaps you need a city guide that tells you what bars, restaurants and other fun things to check out in your city. If so, take a look at some of the social networking applications that are available.



[Sports Apps](#) – Want all the latest news from the NFL or NBA? Need to find all the public ping pong tables available worldwide? Or you just want to know how many calories you burned during your last workout. Mobile sports applications are for you.



[Travel Apps](#) – Find the best restaurants in Paris, learn the Mexico City bus network, download a London tourist guide that includes commentary. Mobile Travel applications are perfect if you are getting away.



[Weather Apps](#) – Receive your daily weather forecast via text or find out what the weather will be like over the next 4 days for any city. Mobile Weather Apps are convenient!

#### TASK

Having looked at the different types of Apps you can get I want you to identify the features that you want for your Olympic App. Next to the feature I want you to give an explanation of what the feature does. Think about what the audience may require.

## Features of your app


## Design your app

Sketch out what you want. Put some thought into what you want your app to do. How many screens should it have? What menu options are you going to provide? Storyboard your app so you know what to build. As part of your design you need to explain what happens at each stage.