



Introduction to Smartphone

Lesson Plan: Class 01 / DL / 16



(Rough sketch – design phase)

Overall goal of the lesson: Introducing Children to smartphones and their capabilities

Prior knowledge required: Internet and Email. Acquaintance with any smartphone will be useful.

MODULE 1:

Module time: 35 minutes

Goal: To give an introduction to smartphones and the various capabilities of a smartphone.

Description: Children will learn about smartphones. We will start with how smartphones are different from other conventional phones. Next we introduce different applications on the smartphone like internet surfing, email, maps, camera, games and so on. Finally, we explain how one must take care of themselves while using a smartphone.

Material required: Two smartphones with internet connection and having following features

- I. Camera with flashlight
- II. Any software showing GPS positioning or directions (like Google Maps)
- III. A Simple game (like Subway Surfer).
- IV. Email account on both the phones
- V. Songs (2 or 3)

If possible, teacher can also carry a non-smart mobile phone and a landline telephone (both these may not be in working condition – just for demo).

Physical:

1. Just the above

Electronic:

PPT Presentation for Introduction to Smartphones.

Procedure Summary:

1. This is an extremely interactive session with teacher asking a lot of questions and demonstrations.
2. Go through the PPT, explaining different examples as we go around.

Procedure Details:

1. Start the class by talking to the children about the last lecture.
2. Open the presentation. Show the kids a landline telephone and ask them if they have seen it or not. Mostly students would have not. Explain them how people would communicate in the olden days.
3. Next show them a simple mobile phone. Explain its improvements over landline as mentioned in presentation slide.
4. Now show them the smartphone. Explain how it is different from a simple mobile phone. Play video 1 introducing the smartphone. Next we will see various capabilities of a smartphone. (Here onwards, phone or mobile or cell means a smartphone)
5. Explain 'internet' which is for information gathering. Show video explaining how one can access information related to balloons on the phone. Show the same on the phone in the class. Ask kids which other information they would like to search for and search the same on the cell.
6. Next, explain 'email' which is for sending a message to anyone in the world. Show video of sending email using cell. Show the same on the cell in the class. Send email from one phone and show that the message has been received on the other phone. Have a conversation on both the phones using emails.
7. Earlier, a camera used to be a separate device, but now it is integrated into a smartphone. Show video of how to take photos using a camera – with and without flashlight. Similarly, take photos with the camera on the phone – with and without flashlight.

8. After camera, explain students with GPS – Global Positioning System. Show video of determining one's position using Google Maps on one of the phones. Show the same on the other phone. Explain that both phones show same position. Next, divide class into two groups and give a smartphone to each of the groups. Ask the groups to go to different places and check their GPS position. Show them how they change as they travel.
9. Another application of smartphone is to play music. Show video of how to play music using phones. Also play music on the phones.
10. Phones are great for entertainment, like playing games. Ask children if they have played any game on the phones. If yes and if easily possible, download that game and ask them to play it and explain the game. Show video downloading the game and playing it. Open the game on the mobile and play the same.
11. Finally, tell the students that while these new phones are great in features, but we need to be careful while using these phones. Long usage of these phones can cause problems to hands, joints and neck. Similarly, our eyes may get damaged. So we should take care while using these phones.