



Digital Literacy Curriculum Resource

Module 6 Mobile Phones



THE UNIVERSITY OF BRITISH COLUMBIA

Learning Exchange



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Learning Objectives

1. Use the Home screen
2. Use the multi-touch screen
3. Connect to a WiFi network

Pre-requisite Skills

- **Mouse and Navigating:** click, double click, drag and drop with a touchpad
- **Keyboarding:** basic typing

Preparation

- Read through the lesson outline and notes for the teachers
- Print the handouts for students
- Cut up strips for **Module 6-Literacy-CLB 1-Digital Skill 3-Practice-Handout**
- Turn on the document camera, projector or the interactive whiteboard (The document camera, if available, is ideal for projecting when demonstrating the digital skills on the phone)

Note about the lesson

- In the lesson, the --> symbol is used to give the answer when it is a part of the script. Otherwise, the word 'Answer' is used.
- Vocabulary: Do not spend time teaching lots of vocabulary. Demonstrate where things are on the phone and how they work.

Materials

- Phones (students bring their own)
- Handouts of the lesson activities
- Document camera, projector or interactive whiteboard for demonstrating the skills to students. If these are not available, use your phone, and/or enlarge the visuals for teaching.
- Glue sticks

Visuals

- Module 6-Literacy-CLB 1-Digital Skill 3-Learn-Visual Connect to a WiFi Network

Handouts

- Module 6-Literacy-CLB 1-Digital Skill 3-Practice-Handout
- Module 6-Literacy-CLB 1-Digital Skill 1-Practice-Handout Use the Home Screen iPhone
- Module 6-Literacy-CLB 1-Digital Skill 1-Practice-Handout Use the Home Screen Android
- Module 6-Literacy-CLB 1-Digital Skill 1-Practice-Handout Use the Home Screen iPhone/Android
- Module 6-Literacy-CLB 1-Digital Skill 1-Practice-Handout Instructions Use the Home Screen
- Module 6-Literacy-CLB 1-Digital Skill 1-Your Turn-Answer Key Use the Home Screen -iPhone/Android
- Module 6- Literacy-CLB 1-Digital Skill 1-Your Turn-Handout Use the Home Screen iPhone/Android
- Module 6-Literacy-CLB 1-Digital Skill 1-Practice-Handout Android
- Module 6-Literacy-CLB 1-Digital Skill 2-Practice-Handout Use the Multi-Touch Screen
- 6-Literacy-CLB 1-Digital Skill 3-Practice-Handout Connect to a WiFi Network iPhone/Android

LESSON

Introduction to the Module

Maximum 10 minutes

Ask:

Who has a cellphone? (Show your own cellphone) Please raise your hands (gesture) Who has an iPhone?

Show your iPhone, draw the apple logo on the board, or visual Module 6-Literacy-CLB 1-Digital Skill 1-Practice-Handout Use the Home Screen iPhone

Raise your hands (gesture and count) Not an iPhone? Example, Samsung, LG, Motorola, Huawei? Other types of phone. Not an iPhone

Show your android phone or visual Module 6-Literacy-CLB 1-Digital Skill 1-Practice-Handout Use the Home Screen Android

Raise your hands (gesture and count)

There are two types of smartphones: iPhones and android phones.

iPhones – Apple. Androids --> not iPhones;

other types of phones: Samsung, Motorola, Huawei...

Ask a student with an android phone:

iPhone or android? (Wait for student to answer) Yes, android.

DIGITAL SKILL 1

Approximate time: 75-100 min

Use the Home screen

Information for the teacher:

This lesson does not include activating a new device. In android phones, this involves signing up with a Google email. In iPhones, students need to create an Apple ID.

Since each phone model is different and software always changes and updates, some icons/buttons in the lesson visuals may not look the same on students' devices.

Objectives

Students will be able to:

- identify the basic Home screen layout
- identify built-in apps
- use the Home button

Vocabulary

- **Home screen** – main screen on the phone where you keep your favourite apps
- **phone signal** – how strong the mobile network is
- **app/application** – a program on your device
- **status bar** – the area at the top of the screen that shows information about your phone – signal strength, internet connection, battery life, and the time
- **notification** – an alert that something is happening on your phone
- **dock/favourites tray** – the area at the bottom of the phone screen for the apps you use most often
- **Home button** – a button at the bottom of the phone screen. It takes you back to the first Home screen

Learn

Approximate time 15-20 mins

Gather students around one table with their phones. Ask students with iPhones to stand/sit on one side of the table, and students with androids on the other side. Ask students to turn on their phones.

Ask:

How do you turn on your phone? (Press the on/off button to turn on your own phone to demonstrate) Show me. (Let students point to the on/off button on their phones or turn on their phones).

Point to the Home screen and say:

You turn on your phone, you see this. (Show the Home screen of your phone) This is the Home screen. Repeat: Home screen. (Write on the board) This is Home screen #1. (Swipe to the next screen) Home screen #2 ... Home screen #3. I have 3 Home screens. How many Home screens do you have? (Let students swipe their own phones and tell you.)

Point to the Home screen to reinforce:

Home screen. Repeat: Home screen

Teach/elicit:

Status bar

Point to the icons at the very top of the Home screen.

Look at the top of the screen.

Elicit:

*What is this? --> **time**. What time is it? (Wait for students to respond. If they have trouble doing so, tell them the time.)*



*What is this? --> **WiFi**. Repeat: WiFi. It lets you go on the internet. Again, what does it do? Yes, internet.*



*What is this? --> **battery life**. Repeat: Battery life. Low battery? Charge the phone. (point to electrical outlet and gesture for charging phone)*



*What is this? --> **phone signal**. Repeat please: phone signal. Strong or not strong? (gesture strong and weak e.g. flex your arms) Five bars? (Draw on board) Very strong. One bar? (Draw on board) not strong (use gestures)*

Notifications

Information for the teacher: Notifications can look different for different apps. They can show up in the notification centre - the area at the top of the screen; as a number of new messages on the app icon itself; or as a pop-up banner.

Point to the different kinds of notifications on students' phones and ask:

What are these? --> new things happened on your phone. You should check. For example, new message, new email, missed call – the phone rang, you didn't pick up (use gestures) ... missed call. something new happened on your phone.

Look at students' phones. Point out the notifications they have.

Something new happened on your phone: New message, new email, someone called you and you didn't pick up the phone... etc.

Review. Ask students:

Show me the Home screen. Show me the time/WiFi/battery life/phone signal/something new that has happened on your phone.

Practice

*Approximate time:
15-20 min*

Distribute corresponding handout Module 6-Literacy-CLB 1-Digital Skill 1-Practice-Handout Use the Home Screen iPhone/Android to each student. Say:

Let's practice.

Look at your iPhone or android picture.

Listen, circle and write the number.

Refer to Module 6-Literacy-CLB 1-Digital Skill 1-Practice-Handout Instructions Use the Home Screen. Teacher demonstrates by reading #1 and circling answer to #1. Read through Part 1, and circle each answer after you read, so students can check.

Learn

Approximate time:
15-20 min

Make sure students with iPhones are still sitting around one side of the table, and those with androids on another.

Built-in apps

Point to a few app icons; elicit:

What are these? --> Apps. Repeat, please: apps. One app for calling, one app for email, one app for taking pictures...

Tap on this app (phone app). You can call. (gesture)

Tap on this app (photo app). You can take pictures (gesture)

Point to the different app icons on the Home screen, say:

Apps, repeat please: apps... many apps.

Go over basic apps. Point to the apps and elicit:

What is this? --> Phone. What can you do? --> Yes, call. (gesture)

What is this? --> Camera. What can you do? --> Yes, take pictures (gesture)

What is this? --> Photos. What can you do? --> See your pictures.

(on some android phones, this is called the Gallery app).

What is this? --> Settings. Repeat: Settings. Change how your phone works.

I don't like the sound of my phone. I go to Settings. I want to connect to the internet. I go to Settings.

Today, we are going to learn how to connect to the internet, or WiFi.

Dock / favourites tray

Point to the panel at the bottom of the phone screen. Explain:

My favourite apps. Repeat: favourite apps; apps I like. Every day, I use my phone; take pictures, check email (gesture)... here, at the bottom...

my favourite apps. (Swipe from one Home screen to another) See?

Same apps, they don't move. Favourite apps.

Home button

NB: The Home button is at the bottom of the screen on most android phones and the latest iPhones, and it is outside of the screen on the older iPhones. The button may look different, but the location is always the same – bottom centre.

Elicit:

I want to go back to Home screen #1. How? Yes, tap on this button (point to the Home button) – Home button. Repeat: Home button.

Show me your Home buttons. (have students point to the Home button on their phones.

Review. Ask students:

Show me the phone app. Show me your camera app/photos app/settings app/favourite apps/Home button.

<p>Practice</p> <p><i>Approximate time: 20-30 min</i></p>	<p>Continue with Module 6-Literacy-CLB 1-Digital Skill 1-Practice-Handout Use the Home Screen iPhone/Android. Say:</p> <p><i>Let's practice again.</i></p> <p><i>Look at your iPhone or android picture.</i></p> <p><i>Listen, underline and write the number.</i></p> <p>Read through Part 2, and underline each answer after you read, so students can check.</p>
<p>Your turn</p> <p><i>Approximate time: 15-20 min</i></p>	<p>Enlarge Module 6-Literacy-CLB 1-Digital Skill 1-Your Turn-Answer Key Use the Home Screen-iPhone/Android on the board/wall/projector.</p> <p>Distribute Module 6- Literacy-CLB 1-Digital Skill 1-Your Turn-Handout Use the Home Screen iPhone/Android and have students copy and fill in the blanks. Make sure to give correct corresponding handouts to students who have iPhones or androids.</p>
<p>DIGITAL SKILL 2</p> <p><i>Approximate time: 40-60 min</i></p>	<p>Use the multi-touch screen</p> <p>Information for the teacher: Most gestures work similarly on iPhones and androids.</p>
<p>Objectives</p>	<p>Students will be able to:</p> <ul style="list-style-type: none"> • use basic gestures to interact with the phone touch screen • close a running app • move an app
<p>Vocabulary</p>	<ul style="list-style-type: none"> • tap – to 'click' on the touchscreen • zoom in/out – to make something bigger/smaller • drag – to scroll in any direction on the touch screen • pinch – to open or close your thumb and forefinger • swipe – to move your finger across the screen to open the next photo, page, etc. <p>NB: It is more important that students know how to perform the actions than remember the vocabulary.</p>
<p>Learn</p> <p><i>Approximate time: 20-30 min</i></p>	<p>Gather the students with their phones around one table. Try to keep the android and iPhone users on either side of the table.</p> <p>Tap</p> <p>Point to MyPics/Photos/Gallery app on the phone screen and ask:</p> <p><i>Open this app. How? --> Tap. Tap to open an app. Tap to click on a button.</i></p> <p>Demonstrate – open MyPics/Photos/Gallery app. Tap the Home button to exit the app. Open the app again. Demonstrate a few times.</p> <p><i>Now practice. Show me.</i></p> <p>Circulate and check.</p> <p>Demonstrate 'tap' again and ask:</p> <p><i>What is this? Yes, tap.</i></p>

Double tap

Say:

Make the picture bigger. How? (Use gestures to help students understand the concept of zooming in) --> Double tap quickly. (Demonstrate) Tap how many times? 2 times. Tap 2 times quickly or slowly? (Demonstrate how tapping two times slowly doesn't work.) Yes, quickly.

Double tap quickly again. The picture gets smaller.

Demonstrate a few times.

Double tap --> bigger. Double tap again --> smaller.

Practice. Show me.

Drag

Say:

Double tap again.

Now my picture is big. I want to see the person's eyes. How?

Tap, hold and drag.

Demonstrate: put your finger on the screen and hold, then move your finger without lifting it.

Demonstrate and say:

Now, move the screen left and right, up, down, and around.

Practice. Show me.

Circulate and check.

Pinch

Say:

Make the picture bigger. How? Yes, double tap quickly.

There's one more way.

Show your thumb and index finger. Move them apart and ask:

Bigger or smaller? --> Bigger.

Close the fingers and ask:

Bigger or smaller? --> Smaller.

Let's try. Bigger... smaller... bigger... smaller...

Demonstrate a few times on your phone

Practice. Show me.

Circulate and check.

Swipe

Elicit:

I want to see the next picture. How? --> Swipe.

(Swipe from right to left. Demonstrate a few times)

Swipe. Repeat please: swipe. (Show the 'swipe' action).

I want to go back to the first picture. How? --> Swipe again.

(Swipe from left to right. Demonstrate a few times).

Show me. Open the photos app. Swipe left. Swipe left again.

Go back to the first picture.

Review

Approximate time:
5-10 minutes

Review and elicit.

*Let's go back to the Home screen. How? Yes, tap on the Home button.
I want to open the Photos app. --> tap
I want to make a picture bigger. --> double tap. Or use two fingers.
I want to make the picture smaller. --> double tap. Or use two fingers.
I want to see this more. (Point to a corner of the picture on your phone).
How? Tap, then drag.
I want to see the next picture. --> swipe.*

Learn

Approximate time:
40-5 mins

Close a running app:

Ask:

*I want to go back to the Home screen. How? --> Tap the Home button.
Is the Photos app closed or open? --> No, not closed. Still open.
Many opened apps; it's not very good. Why? The battery dies faster, the
phone is slower.*

iPhone

*How to close an iPhone app? Quickly press the Home screen button two
times. See all the opened apps... To close, swipe up.
Close all apps? Swipe up all the apps (Demonstrate)
Practice. Show me.*

Android

*Android phones --> not all are the same. Sometimes, press the Home
button. You see all the opened apps. Let's try that. Do you see it?
Sometimes, there is a special button to the right or left of the Home button.
Tap it. Do you see all the opened apps?*

Show on your phone or visual **Module 6-Literacy-CLB 1-Digital Skill
1-Practice-Handout Android** – highlight the three vertical stripes button to the left
or right of the Home button.

Look at students' phones. Find a phone where the list of recent apps is laid out
vertically. Show the phone to the class. Say:

Look: app, app, app.

(Use gestures to show the apps are organized vertically).

*Swipe up. Find the app you want to close.
Swipe to the right. The app closes.*

Now find a phone where the recent apps are laid out horizontally. Show the phone
to the class. Say:

Look: app, app, app.

(Use gestures to show the apps are organized horizontally).

*Swipe left. Find the app you want to close.
Swipe up. The app closes.*

Ask:

To close all apps? Find the 'Close all' button at the bottom.

Have students try closing a running app on their phones. Say:

*Now you try. Close one app.
Close another one.
Now close all opened apps.*

Tap and hold

Explain:

I don't like my app here. I want to move it. How? --> tap, hold and drag.

Have students follow along on their phones. Say:

Let's try. On android, tap, hold and drag it to another place. (demonstrate)

On iPhones, choose Rearrange App. All the apps start to move from side to side (Use your hand to demonstrate how apps jiggle). Now move the app.

(On some older iPhones, when you tap and hold, the apps will start to jiggle.)

Move the app to another place. Now take it back.

Let's try again. Move an app to the next Home screen. Tap and hold, then move it to the next screen.

Take it back to the first screen.

iPhone:

Finished? Press the Home button. The apps stop moving.

Demonstrate two times.

Practice

*Approximate time:
20-30 min*

Divide the students into pairs or groups of 3, making sure they use the same kind of device. Distribute Module 6-Literacy-CLB 1-Digital Skill 2-Practice-Handout Use the Multi-Touch Screen. Have students follow the instructions on their phones.

Say:

Please work together.

Read step one and show your partner how to do it on your phone.

Do all the steps.

Switch.

DIGITAL SKILL 3

*Approximate time:
30-45 min*

Connect to a WiFi network

Information for the teacher: WiFi can be accessed through phone Settings App. There are two ways to get there:

- 1 From the Settings app (Similar for iPhones/androids)
- 2 From the Control Centre (iPhone) that can be accessed by swiping from the bottom of the screen up; From the Quick Control Panel (android) that can be accessed by swiping from the top of the screen down, or from the bottom upwards, depending on the phone model.

In this lesson we will focus on opening the Settings app from the Home screen.

Objectives

Students will be able to:

- locate the Settings app
- turn on/off WiFi
- connect to WiFi networks

Vocabulary

- **WiFi** – wireless connection: no cables are needed to connect your device to the internet
- **secure** – safe, protected
- **password** – a secret word or combination of letters, numbers and symbols you use to sign into your email or other account

Practice

Approximate time:
15-25 mins

Ask students:

Do you often use the internet on your phone? Is it expensive?

Explain:

To save money, we use WiFi. In many places, there is free WiFi.

When you are in a new place, you need to connect to WiFi. Next time, the phone will remember, so we don't have to always do it.

NB: Some phones may have an 'Auto reconnect' checkmark that needs to be checked off in order for the phone to connect to the network next time.

Let's learn how to connect to WiFi.

Turn on WiFi

Use a phone to teach students how to turn on WiFi. Alternatively, project Module 6-Literacy-CLB 1-Digital Skill 3-Learn-Visual Connect to a WiFi Network. You will need the first three pages for this demonstration.

Explain:

Find the Settings app on your phone.

Tap the Settings app.

Android: Find Connections. Tap it. Find WiFi.

iPhone: Find WiFi. Tap it.

Tap the WiFi button to turn it on or off.

When you turn it on, your phone will look for networks.

Project the above visual on the board (the first three pages) and have students practice turning WiFi on/off. Say:

Let's try it. Turn on your phone.

Find the Settings app on the Home screen. Tap it. Etc.

Connect to a WiFi network

Use a phone to teach students how to connect to a WiFi network. Alternatively, project Module 6-Literacy-CLB 1-Digital Skill 3-Learn-Visual Connect to a WiFi Network. You will need the last page for this demonstration.

NB: The screenshots for the visual are created with an android phone, but iPhone screens will look very similar.

Say:

Today, we learn to connect to WiFi.

Turn on WiFi.

Tap WiFi. You will see many different WiFi networks. A small lock means the WiFi is safe; you need a password.

Tap the WiFi network you want.

Enter the password.

Android phones have an 'eye' icon. Tap this. Now you can check your password.

Tap 'Connect' or 'Join'.

Sometimes, we go to McDonald's or Starbucks. There is free WiFi. We don't need a password. Make a call on WhatsApp? Ok? Safe? Yes. Check your email. Ok? Yes. Check your bank account? Ok? No, not safe. Be careful with free WiFi.

Practice

Approximate time:
15-20 min

Distribute Module 6-Literacy-CLB 1-Digital Skill 3-Practice-Handout Connect to a WiFi Network iPhone/Android. Cut up their corresponding three missing steps. Make enough sets for every student.

Place students into pairs, making sure they use the same kind of devices. Give one handout to each pair (iPhone or android). Ask them to place the cut-out answers on their handouts.

Enlarge and put on the board the answer keys (one for iPhones, and one for androids). Allow the students to come up to the board and self-check.

If answers are correct, give the same handout to the pair, so both have a copy each. They can then paste their answers on their handouts.

Closing

What have you learned today?

Review the skills learned and practiced in this workshop. Ask concept-check questions. For example:

Where are the apps located on your phone? --> On the Home screen.

How many Home screens do you have? (Answers will vary)

Which button returns you to the first Home screen? --> Home button

Where is it located? --> Bottom centre

Etc.

What are you going to do to practice on your own?

Have students say what they will do to for independent practice before the next session, e.g.

Do the Extra Practice Activity online.