



PRE-VISIT ACTIVITIES



MAKER
MODULE

Acknowledgements

These Generic Pre-Visit activities were prepared for the Literacy Link South Central project “Using Technology to Facilitate Connections between Literacy and the Broader Community” (2014). The Maker Modules that coordinate with these Generic Pre-Visit Activities include:

Augmented Reality	Leap Motion	QR Codes
Bluetooth	Macrophotography	Tiny Scan
Dropbox	MaKey MaKey	Word Lens
Evernote	Portable Podcasting	The World of 3D

Literacy Link South Central (LLSC) wishes to acknowledge the valuable contributions made by the following consultants, project staff and partners:

Beth Compton, MakerBus
Danielle Carr, Literacy-Technology Liaison
Herta Taylor, Literacy-Technology Liaison
James Graham, MakerBus
Kim Martin, MakerBus
Ryan Hunt, MakerBus
Summer Burton, LLSC

Titus Ferguson, UnLondon Digital Media Association
Tony Mejia, Literacy-Technology Liaison

The staff and learners of Nokee Kwe Native Education Centre, Collège Boréal London, Literacy London, ATN Access Inc., WIL Employment Connections and Youth Opportunities Unlimited for testing the Maker Modules and providing their feedback.



www.makerbus.ca/
dhmakerbus@gmail.com



www.llsc.on.ca
literacylink@bellnet.ca

© Organizations are encouraged to copy these materials; however, reproducing these materials for a profit is prohibited. 2014

This *Employment Ontario* project is funded in part by the Government of Canada.

**EMPLOYMENT
ONTARIO**

Generic Pre-Visit Activity # 1: The Maker Movement

Learning Objectives:

1. Understand the principles behind the Maker Movement
2. Appreciate the importance of “trying” in learning

Equipment needed:

- Overhead projector and screen
- Computer with Wi-Fi and access to YouTube



This Pre Visit Activity is intended to introduce the Maker Movement to learners. It is anticipated to take around 25-30 minutes. Competencies include: A1.1, A3, B1.1, and B2.1.

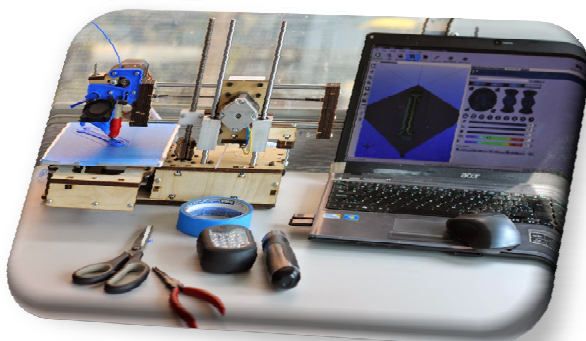
Begin by assessing prior knowledge. Find out what the group knows about the Maker Movement, if anything. If there is not a lot of discussion forthcoming, discuss what people think it might mean. Once you have checked for prior knowledge, distribute the learner handout for this pre visit activity.

Introduce the Maker Movement by summarizing the following information:

The Maker Movement is about experimenting, building, and learning. At the core of this movement is the idea of *trying*. Regardless of whether you succeed or fail, trying is what matters because trying is where the learning happens. It's when we take chances and have the courage to try that we learn and grow. The Maker Movement is about empowering people to take those risks and letting them know that failure isn't the end of the learning process, it's just the beginning.

Watch the following Ted Talk with your learners. It is just over 10 minutes long and will give them a good idea of what the Maker Movement is about.

Have learners write down their reactions to what they saw. Ask them to share and discuss as a group. Ask them: In what ways are they makers? Who cooks, sews, fixes bicycles...?



Generic Pre-Visit Activity # 1: The Maker Movement

The Maker Movement is about experimenting, building, and learning. The most important part of this movement is *trying*. Whether you succeed or fail, trying is what matters because that is where the learning happens. It's when we take chances and have the courage to try that we learn and grow. The Maker Movement is about helping people take those risks, and letting them know that failure isn't the end of the learning process, it's just the beginning.

As a group, we are going to watch a Ted Talk. It is just over 10 minutes long and will give you a good idea of what the Maker Movement is about.

http://www.ted.com/talks/dale_dougherty_we_are_makers.html?utm_source=newsletter_weekly_2011-02-01&utm_campaign=newsletter_weekly&utm_medium=email

Write down your reaction to the video, and share your thoughts with the rest of the group.

In what ways are you a maker? Do you cook, sew, paint, fix bicycles, enjoy putting things together? If you do, then you are a maker!

Generic Pre-Visit Activity # 2: Downloading Safely

Learning Objectives:

1. Understand the risks of downloading applications (apps)
2. Why you should download security software
3. Know how to protect yourself when downloading apps
4. How to download safely

Equipment needed:

- Computers for learners to access links to information
- Access to Wi-Fi and the internet
- A projector and screen with YouTube



This Pre Visit is intended to make your learners more aware of the risks of downloading apps, and what they can do to protect themselves when doing so. This Pre Visit activity is expected to take about 30 minutes. Competencies include: A1.2, A2.2, B3.2a, D1/2.

Once you have checked for prior knowledge, distribute the learner handout for this Pre Visit Activity.



Generic Pre-Visit Activity # 2: Downloading Safely

Applications (apps) are bits of software, like a program on your computer, that help you do a specific task. Games and weather trackers are examples of these. When you buy a smartphone or tablet, it comes with some apps already installed, but there are many more available that you can download. Some are free, but many are not. How do you choose from the thousands available?

Before downloading, consider safety.

Part 1: The risk of downloading apps

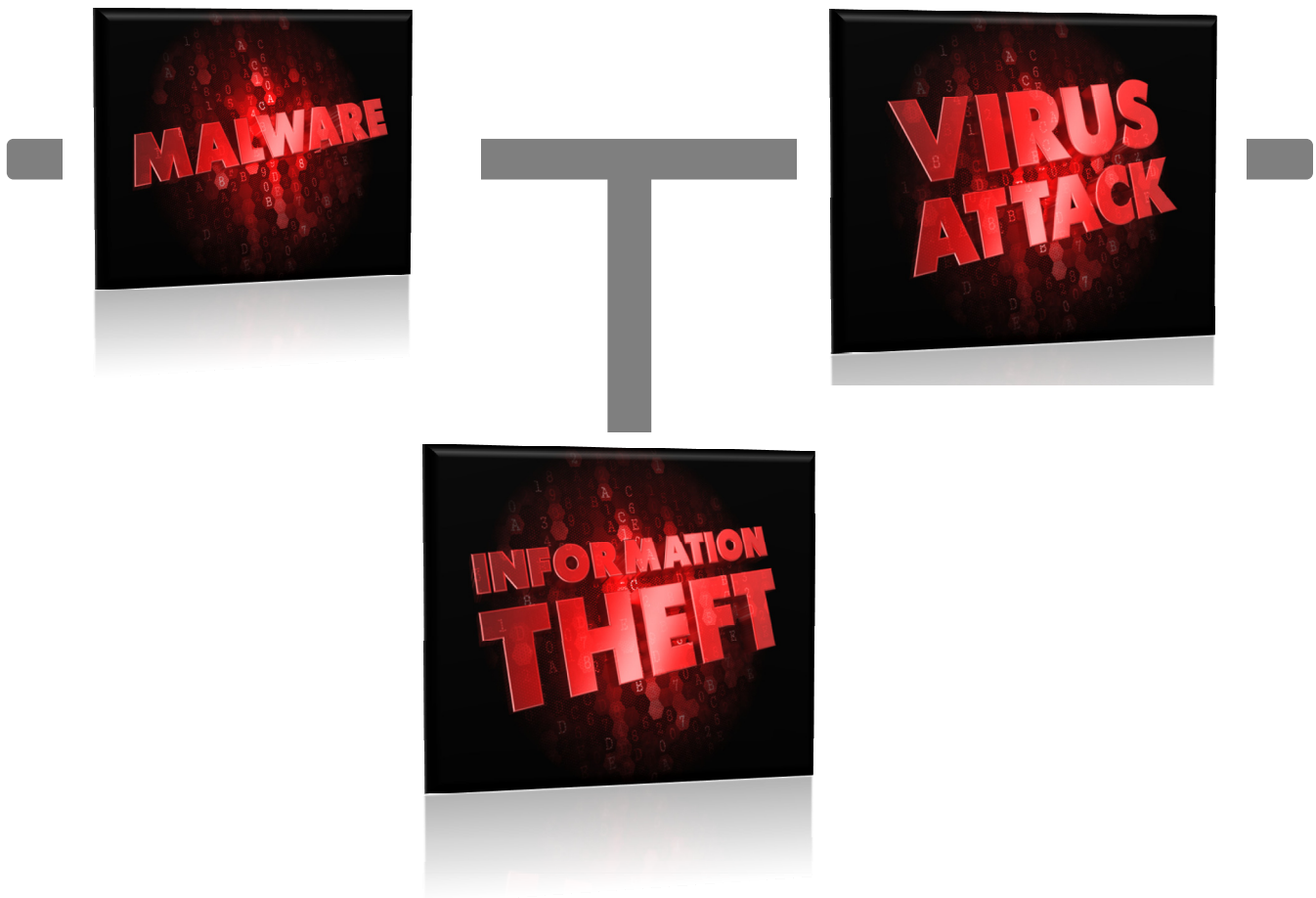
According to one article: “10 percent of mobile apps expose user passwords and login names, 25 percent expose personally identifiable information and 40 percent communicate with third parties.”¹ That means that some apps can steal your personal information (name, email address and phone number), your contact’s information, or even your passwords, and then share them with others. If you do online banking, think of the risk of exposing that information. If you would rather not have your personal information shared with people you don’t know, stop and do some research. If you don’t think they need it, don’t give it out.



¹Poremba, Marquette. “Proceed with Caution when Downloading Mobile App.” Oct.10, 2012

(Retrieved July 16, 2014) <http://www.itbusinessedge.com/blogs/data-security/proceed-with-caution-when-downloading-mobile-apps.html>

Other apps can contain viruses, malware and worms, or other ways to cause you problems.² To learn more go to: <http://computer.howstuffworks.com/virus.htm>





² Brain, Marshall & Fenlon, Wesley, "How Computer Viruses Work." (Retrieved Oct. 9, 2014) <http://computer.howstuffworks.com/virus.htm>

Part 2: Download security software

While most of us wouldn't open an email from someone we don't know, we don't always think twice before downloading an app. While we usually purchase security software for a computer to protect against viruses, worms or malware, most of us don't think to download security software for our phones. Of course, there are people who will take advantage of that fact. Security apps are designed to prevent you from downloading any harmful apps and to help protect your personal information. Some of these even allow you to track your phone if lost or stolen, and to remotely delete any information stored on it.

How do you choose which security app to use? Do some research on the best security apps for your smartphone.

	
<ol style="list-style-type: none">1. Go to Google and type in best security apps for Android2. Read at least 2 or 3 of the articles3. Choose one that is well reviewed in more than one article4. Download it	<ol style="list-style-type: none">1. Go to Google and type in best security apps for iPhone2. Read at least 2 or 3 of the articles3. Choose on that is well reviewed in more than one article4. Download it

What kind of 3rd party companies do you think would like to access your personal information? Why would they want it?

Part 3: Protect yourself when downloading apps

Read the following tips, and jot down what they mean for you.

Tips for Downloading Safely	What does this mean to me?
1. Download security software	
2. Use the app store that comes with your device	
3. Don't give permission without thinking about why it is needed	
4. Research the best apps for your phone	
5. If in doubt, don't download	

Watch this YouTube video. It is less than 2 minutes long, and gives some more suggestions on how to download safely:

<https://www.youtube.com/watch?v=FgQZakxLjdE>

Discuss with the class:

1. Do you feel more or less comfortable with downloading apps now? Why?

2. What will you do differently when you download apps from now on?

Generic Pre-Visit Activity # 3: Downloading and Deleting an Application

Learning Objectives:

1. Understand the basics of applications (apps)
2. How to download apps for Android and Apple devices
3. How to delete apps for Android and Apple devices

Equipment needed:

- Devices to practice downloading and deleting apps, if learners do not have or want to use their own
- Access to Wi-Fi

This Pre Visit is intended to provide your learners with general instructions for downloading and deleting applications that they can take away with them. This Pre Visit activity is expected to take about 15 minutes. Competencies include: A1.2, A2.1, D1/2.



For ease of use, you may want to pre-select an app that you think that most learners would benefit from using. If you do not want to keep it on the device, then encourage learners to delete it afterward.

Once you have checked for prior knowledge, distribute the learner handout for this Pre Visit Activity. If some learners have experience downloading and/or deleting apps ask them to share their experiences.

Generic Pre-Visit Activity # 3: Downloading and Deleting an Application

A part of using mobile technology is downloading applications (apps). But what if you do not like an app? If you are going to learn how to download an app, then you will also need to know how to delete one.



You will learn:

1. the basics of apps
2. how to download apps for Android and Apple devices
3. how to delete apps for Android and Apple devices

Part 1: The basics of apps

Apps are little self-contained programs you can interact with on your mobile device.

There are apps for most of your digital wants or needs. Apps provide a way for you to do mobile banking, take part in social media, play games and use helpful tools.

Each smartphone has preloaded apps available for you to use which you cannot delete. Smartphone service providers each have their own stores to download other apps that could enhance your digital experience.

Many apps are free, but some cost money as well. Prices for apps are visible in the app store, and when downloading, you will be asked if you are sure you want to download and pay the fee. Most apps are free because of advertisements they include and data that is collected when you use the app, like your age.



Tip: Do some research on the internet before downloading apps, and try free apps at first so it doesn't cost you any money to experiment.

Apps aim to make life easier and tasks better suited to mobile use, by making everything simpler and quicker to open and use.

Part 2: How to download apps



Two of today's biggest smartphone and tablet platforms are Android and Apple.

There are certain apps that are only made for Android or Apple. Some apps work on both. Your app store will let you know what apps are available for your device.

Before you download, you will need:

- Wi-Fi -- you can use your cellular data, but it's not recommended because you have limited amount of data and the service provider could charge you overage
- storage room -- your device has a limited amount of Gigabytes (GB), your phone will let you know if you have enough room to download an app

The following instructions are for downloading Android and Apple apps:

	 iPhone
<ol style="list-style-type: none">1. Open the Google Play Store2. Type the name of the app in search bar and select the app from the list of results3. Tap Install and Accept	<ol style="list-style-type: none">1. Open the App Store2. Type the name of the app in search bar and select the app from the list of results3. Tap the "Free" or "Buy" button and Accept

Once you downloaded an app, you will find a newly created app icon on your smartphone. To access the app, all you need to do is tap on it.



Your app may need to be updated once in a while. Your app store will notify you if updates are available. Often you must accept the update if you wish to continue using the app. These updates usually fix issues with the app to ensure the best user experience.



Activity 3: How to delete apps

If you find an application (app) is no longer useful to you, or takes up too much space on your smartphone, you may wish to delete it. Deleting apps is safe, and you won't damage your phone in any way by removing them.

The following instructions are for deleting Android and iPhone apps:

	 iPhone
<ol style="list-style-type: none">1. Click on and hold the app icon you want to delete until new options appear2. Drag the icon over the Uninstall option, then release3. Click OK to confirm your decision or Cancel to back out and keep the app	<ol style="list-style-type: none">1. Click and hold on the app icon you want to delete until all the icons begin to wobble2. Tap the "x" in the top left corner of the app you want to delete3. Click Delete to delete the app or Cancel to back out and keep the app

Warning: Deleting an app will remove all of the information stored within it such as documents you have created, high scores and saved games.

Tip: If you delete an app and then wish you hadn't, you can download the app to your device again without having to pay for it.

Downloading and deleting apps is your choice. You have control over what you'd like on your smartphone and what you want deleted. Enjoy exploring and finding what apps are available that may enhance your digital experience!