Topic: Accessible features on devices and in programs

When I am done this lesson, I will know:

- What accessibility features are
- The main categories of accessibility features
- Common accessible features available on different types of devices and programs

Pre and Post Self-Assessment

	Pre	Pre	Post	Post
	Yes, I know this	No, I want to learn this	Yes, I know this	I still need more practice to learn this
I know what accessibility features are				
I know the three main categories of accessibility features				
I know what accessible features are available on different types of devices and programs				

> **New Words and Terms**
>
> accessibility
> assistive technology
> closed-captioning

What are Accessibility Features?

Accessibility features make technology easier to use for everyone. Some accessibility features are specifically developed to help people who have disabilities. However, the features can help everyone. Accessibility features are also called Assistive Technology (AT). Assistive technology is usually built-in software or an app. Assistive technology also includes assistive hardware devices.

Common accessibility features:

- Changing text speech or changing speech to text
- Closed-captioning
- On-screen alerts
- Screen magnifiers
- Shortcuts on keyboards
- On-screen keyboards

Common assistive hardware devices:

- Specialized keyboards
- Pointing devices
- Mounting systems and positioning devices
- Reading pens

There three most common categories of features on devices are:

1. Vision Support Features
2. Hearing Support Features
3. Mobility Features

Accessible Features Available on Devices

Android Device Vision Support Features	Apple Device Vision Support Features
TalkBack lets you hear notifications and will tell you app names when you touch them. **Lookout** lets you use your camera to find out what an object is by pointing at it. **Magnification** makes text and icons easier to see.	**Magnifier** lets you use your camera to zoom for larger text or objects. **VoiceOver** allows you to hear what is happening on your screen. **VoiceOver used with Braille** allows Braille to be converted to text onscreen so sighted people can follow along. **Speak Screen** lets you have any text read aloud. **Audio Descriptions** add detailed audio descriptions for videos. **Dictation** lets you speak words and punctuation anywhere you would type.
Android Devices Hearing Support Features	Apple Devices Hearing Support Features
Live Transcribe allows you to see words appear on your phone when they are spoken. **Live Caption** automatically captions videos, podcasts, and audio messages. **Sound Amplifier** lets you boost sound and decrease background noise.	**Sound Recognition** notifies you when a specific sound is detected. **Live Listen** uses a microphone to pick up what people are saying to you more clearly. **Sensory Alerts** like vibrations or LED light flash can be set up. **Headphone Accommodations** let you amplify sound and adjust frequencies based on individual needs.
Android Devices	Apple Devices

Mobility Support Features	Mobility Support Features
Switch Access lets you plug an adaptive switch into your phone. This allows you to use an external keyboard. **Voice Access** lets you navigate around your phone with voice commands. For example, you can open an app with voice access.	**Assistive Touch** lets you adapt your touchscreen to meet your physical needs. **Voice Control** lets you navigate your device with your voice. **Switch Control** lets you control your device with adaptive switch hardware. **Siri** can do anything for you with a voice command.

Sources: https://www.android.com/intl/en_ca/accessibility/ and
https://www.apple.com/ca/accessibility/

Accessible Features in Programs

Microsoft	Google
Outlook and Calendar ● Keyboard shortcuts ● Screen reader ● Themes ● Display layouts	**Gmail and Calendar** ● Keyboard shortcuts ● Screen reader ● Themes ● Display layouts
Word and Excel ● Keyboard shortcuts ● Screen Reader ● Dictate	**Docs and Sheets** ● Keyboard shortcuts ● Screen Reader ● Braille display ● Type with your voice
Powerpoint ● Keyboard shortcuts ● Screen Reader ● Dictate ● Present with subtitles	**Slides** ● Keyboard shortcuts ● Screen Reader ● Braille display ● Type with your voice ● Present with captions
Teams ● Keyboard shortcuts ● Captions for a video meeting	**Meet** ● Keyboard shortcuts ● Captions for a video meeting ● Talkback on Jamboard

Sources: https://www.microsoft.com/en-us/accessibility/features?rtc=1&activetab=pivot_1:primaryr2 and https://www.google.com/accessibility/products-features/

⌕ Discussion Questions

1.   Which accessible features do you think would be helpful for you?

☑ Check Your Knowledge

What are the three most common categories of accessible features on devices?

1.

2.

3.

⊕ Try this/Practice

 Find the magnifier feature on your phone or tablet and open it.

ⓘ Optional: I Want to Learn More

	Watch this tutorial section to learn more about accessibility features on computers Source: GCFGlobal	https://edu.gcfglobal.org/en/computerbasics/using-accessibility-features/1/

▶	Watch this video to learn how to use accessible features when using the Google Chrome web browser. Source: Global GEG	https://www.youtube.com/watch?v=MCF1X_qEWKY

▶	Watch this video to learn how to use accessible features when using the Microsoft Edge web browser. Source: Richard Byrne	https://www.youtube.com/watch?v=t87KtpmprWE

Bridge Adult Literacy Curriculum Framework Connection	
Competency	**Task Group(s)**
Find and Use Information	• Read Continuous Text (L2-Involves on text, may include unfamiliar elements) • Interpret Documents (L2 - performs limited searches using one or two search criteria, extracts information from tables/forms) • Extract Information from Films, Broadcasts, and Presentations
Communicate Ideas and Information	• Interact with Others (L2 - discuss) • Writes Continuous Text (L1-Conveys simple ideas and factual information)

Use Digital Technology	● Find and use an accessibility feature on a device

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